

The Kokoa Standard Evaluation The Process

Access

Our experts in UX and pedagogy are provided with full access of the product and its relevant materials, such as lesson plans or teacher's guide.

Kokoa Evaluation Software

While our experts use the product, they analyse its pedagogical approach and usability with KOKOA evaluation software.

Outcome

The evaluation report is presented to the client during a video call. If the product meets the standards, it will be granted the Kokoa Standard certificate.

All Kokoa certified products can be found on www.kokoa.io

Note: This is an example evaluation of an imaginary product. All evaluations are confidential and used as a reference only with a permission from the product's publisher.



The product **Giant Alphabet** Sample evaluation report



Giant Alphabet is an IMAGINARY

online platform with gamified exercises for practicing letters, reading and creative writing. It provides ready to use lesson materials and tools to facilitate peer assessment.

The use of Giant Alphabet aims to make practicing letters exciting by bringing a gamification aspect into the learning experience.

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Learning Goals

Matching the learning goals

The evaluator maps the product's learning goals against a specific curriculum/curriculums.

All supported skills are listed and classified as *didactic (A-level)* or *facilitative (B-level)* goals.

The Kokoa Tool has several hundred skills listed from various national curriculums on several subjects (Languages, STEM, Arts etc.)





Content is instructional and didactic: Learning of these skills is constantly present in the core usage.





Secondary Goals

Content is partly instructional, partly facilitative: Learning of these skills is present in the core usage, but not essentially and constantly stressed.



N

Non-Existing

Content does not exist: Learning these skills would be a meaningful part of the use of the solution, but they are missing.







Reading & Writing



Reading & Writing

| 1. | Practicing correct spelling and grammar. | A |
|-----------------|--|---|
| 2. | Practicing to plan a structure for a story by writing down ideas and/or keywords. | A |
| 3. | Designing and producing own written content and textual representations. | A |
| - | Practicing creative writing through writing narratives about personal experiences and those others (real and fictional). | A |
| 5. pu | Understanding the value of proof-reading to check for errors in spelling, grammar and inctuation. | B |

6. Develop positive attitudes towards and stamina for writing.



B





Work Life skills and Entrepreneurship / Social Skills / Cross-Disciplinary Thinking /Cross Cultural Skills and Global Awareness / Wellbeing and Sustainable Development



Social Skills

| 1. | Practicing to express own thoughts and feelings. | A |
|----|---|---|
| | | A |
| 3. | Practicing to argument clearly own opinions and reasonings. | В |
| 4. | Learning to listen other people's opinions. | В |
| 5. | Enabling the growth of positive self-image. | В |
| | oss Cultural Skills and Global Awareness | |

1. Supporting student to build their own linguistic and cultural identity.

Cross-Disciplinary Thinking

1. Combining information innovatively to find new perspectives.





Compared against: Kokoa Standard Transversal Competencies Syllabus (2017)



C: Learning & Innovation

Critical Thinking and Problem solving / Creativity and Innovation / Learning to learn



Critical Thinking and Problem solving

1. Encouraging students to recognize and evaluate arguments and their reasonings.

Creative Thinking and Innovation

| 1. | Creating requirements for creative thinking. | A |
|----|--|---|
| 2. | Encouraging to use imagination and to be innovative. | A |
| 3. | Encouraging to be innovative and express new ideas. | В |
| 4. | Guiding to use arts as a way to express. | В |
| 5. | Encouraging to improvise. | В |







Information & Technology

ICT Literacy / Media & Information Literacy / Multimodal Literacy



ICT Literacy

| 1. | Using technology for interaction and collaboration. | A |
|------|---|---|
| 2. | Using technology as a part of explorative and creative process. | A |
| Med | ia and Information Literacy | |
| 1. | Practicing to find, evaluate and share information. | В |
| 2. | Practicing to use information independently and interactively. | В |
| Mult | imodal Literacy | |
| 1. | Practicing to acquire, modify and produce information in different forms. | в |

- 2. Practicing logical reasoning to understand and interpret information in different forms.





= Secondary goal: content is facilitative

Compared against: Kokoa Standard Transversal Competencies Syllabus (2017)

Β

Pedagogical Approach

Assessing the pedagogy

| Passive - Active | Hide this parameter | Ignore |
|--|--|--------|
| Solution promotes mainly one-way O | Q 00000 | |
| Is the communication bi-directional or just information delivered for the player? Think about how the product provides information. | ° 0 0 0 0 0 | |
| Solution provides demonstrations \bigoplus | Q 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| Solution allows passing through the \bigoplus content with no/low engagement. | Q 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| Solution allows user to skip content. | Q 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |

The evaluator answers a set of statements to assess the product's pedagogical approach.

The answers to the questions result to a numeric score on each parameter. The parameters are shown as contrary pair sliders.

The assessment is divided into four parameters:

- 1. Passive Active
- 2. Rehearse Construct
- 3. Linear Non-linear
- 4. Individual Collaborative

The set of questions and definitions, have been developed by researchers from the Helsinki University.

Criterion definition

Passive / Active

Passive: Learner in an observant role Active: Learning by doing

Individual / Collaborative

Individual: Learner is learning by her- or himself Collaborative: Requires collaboration with other learners

Linear / Non-linear

Linear: Proceeding linearly through repetitive tasks Non-linear: Supports free exploration and finding solutions in variable ways.

Rehearse / Construct

Rehearse: Practicing earlierly learned Construct: Learning and constructing new concepts



The Rating Scale



Fair

There are crucial issues with the pedagogical approach. Improvements are necessary in order to achieve high educational quality.



Good

The pedagogical approach is valid. However, many improvements could be made in order to improve this aspect of learning experience.



Excellent

The pedagogical approach is innovative and meaningful. Some improvements could be made in order to improve this aspect of learning experience.



Outstanding

Product is exceptionally innovative and provides high educational value. The content is delivered in an extremely meaningful and engaging way.



Passive - Active: 81/100 = Good

Passive Active

Strengths: As Giant Alphabet gamifies the learning of letters, reading and writing, it allows excitement and strong emotional engagement to be part of the learning experience. It helps teachers to give students writing tasks and follow the student's progression. The core mechanic sets students in an active role as creative writers, as peer feedback and achievement badges are not received without actively publishing new stories.

Development areas: The product itself could guide students to plan their stories more thoroughly and guide them to actively search for inspiring content made by other users. At the moment it gives inspiration to students but it could support the writing process through giving tips and demonstrating techniques how to plan the content before the writing starts.





Rehearse - Construct: 86/100 = Good

Rehearse Construct

Strengths: The challenges for student's creativity are set by a teacher, as he/she is the one giving the writing assignment, but the tool itself works as a good motivation booster. This way the teacher can also adjust the difficulty level so that every student can have optimal challenges in their learning journey.

Development areas: In order to support students to develop creative writing skills, the solution could give precise tips and guidance for planning the story and give advice on how to create a functional structure for a story. This can happen for example by helping them to choose the theme of the story, guiding to create mind maps, supporting to choose the main characters and building a storyboard.





Linear - Non-linear: 93/100 = Excellent

Linear Non-linear

Strengths: When starting to use the product, the path is very linear and every students goes through similar tasks so they understand the basics of spelling. As Giant Alphabet encourages students towards creative writing the product offers endless possibilities for self-expression and creative problem solving.

Development areas: The start of the creative writing process could be made easier. It could begin with outlining the contents of the piece. The solution should set a creative problem that the students have to solve. The aim for setting the problem is to turn creative writing into a goal-oriented task and give guidelines for the students' creative thinking. Giving guidelines helps the students to evaluate the story content and set their own goals for it. A good briefing gives a reason for creating the piece and sets a timetable for completing the story.





Individual - Collaborative: 90/100 = Excellent

Individual

Collaborative 90

Strengths: Giant Alphabet provides an engaging way to practice creative writing as it brings the social element to be part of the process. Through given and received feedback the experience is rather collaborative even if writing happens mainly individually. Sharing the creative outcomes is a crucial element of the writing process. As students are aware of the fact that their work will gain broad audience, it is likely to engage and motivate to try harder and make the story interesting and entertaining.

Development areas: As getting feedback is an important part of the creative process, Giant Alphabet could provide a structured way to give peer reviews. At the moment it is up to the teacher to organise the feedback situation. This way students would learn both to receive and give constructive feedback.



Learning Engagement

The Six Aspects of Learning Engagement

Q Autonomy

Feeling that the user's actions in the product are based on their own decisions rather than feeling there is external pressure to choose a certain action.

Competence

The user can feel capable and effective in their actions rather than feeling incompetent or ineffective.

Q Relatedness

Feeling that in the product there is meaningful contact with people who care about you rather than feeling lonely and uncared for. You can also feel connection with fictional characters and events in the product.

Q Respect

Feeling that the product takes the user into account as a capable and desired actor rather than feeling that the user's opinions and experiences are neglected.

Q Stimulation

Feeling that the product offers plenty of enjoyment and pleasure rather than feeling bored and understimulated by the product.

C Safety

Feeling that the product is a safe environment for having fun and trying out things rather than feeling uncertain of the consequences or threatened by other users.

The Rating Scale



Well supported

There are several well executed features which support this aspect of learning engagement



Supported

The product takes into account this aspect of learning engagement. Some improvements could be made in order to make the support better.



Not Supported

There are issues with the learning engagement in this area.

Autonomy Score: 3.8/5 = Supported

The user's actions in the product are based on their own decisions rather than feeling there is external pressure to choose a certain action.

| Main strengths | | Score |
|----------------|--|-------|
| 1. | It is easy to understand, what is the goal in using the product., | 5 |
| 2. | The product motivates the use well. | 4.2 |
| 3. | It is possible to make choices, and the different choices have clearly different and meaningful outcomes | 3.8 |

Giant Alphabet is designed for a feedback platform for creative writing. The tools in Giant Alphabet will enable other kind of use as well - posting images of artwork, non-fiction writing or basically anything.

The use of Giant Alphabet is very teacher led. This is well justified, because the tool is for school use, and the community of teachers in Giant Alphabet is a good moderator for the content. The actions of pupils and parents are limited to reading and commenting. In the pupil's view, the comments are shown nicely.

Autonomy Score: 3.8/5 = Supported

The user's actions in the product are based on their own decisions rather than feeling there is external pressure to choose a certain action.

Main development areas

| 1. | It is possible to use creativity and express yourself when using the product. | 3.2 |
|----|---|-----|
| 2. | The user can create their own goals for the use | 3 |

There's some features, which intentionally limit the use of the system - the teachers can't edit or even easily find their own published posts for example. Some of the limitations are justified, but some of them will make the use unnecessarily harder. For the student, the use is often rather linear and the player always has to follow the same pattern. If for example a writing exercise is chosen, letters follow always in the same order, and the player can only repeat the drawing in the right way. Deviating from the letter trace instantly pushes to start all over. Alphabet exercises and puzzles could scale better for different players, if the player would have more room to practise for example only the letters in their own name, or it would be possible to choose a skill level in memory game.

Competence Score: 3.5/5 = Supported

Feeling that you are very capable and effective in your actions rather than feeling incompetent or ineffective

| Ma | in strengths | Score |
|----|---|-------|
| 1. | The challenges and tasks in the product feel optimal for the targeted users, | . 4 |
| 2. | The first time experience is encouraging and it is easy to learn to use the product . | 4.2 |

Giant Alphabet offers a very well guided path to assignment creation and assignment management. The tutorial is helpful for the first time users. For the students the whole experience is very easy to use, and they can clearly see their tasks, scores and things they can do.

Competence Score: 3.5/5 = Supported

Feeling that you are very capable and effective in your actions rather than feeling incompetent or ineffective

Main development areas

| 1. | The product gives you enough information to use it efficiently. | 3.2 |
|----|---|-----|
| 2. | Navigation in the product is easy and intuitive. | 2.7 |

Getting the teachers to understand the usefulness of Giant Alphabet might be challenging in some cases. The service should justify some choices better and explain, what is the intended use of the in the classroom. Providing examples or inspirational videos would be helpful.

The parents will receive very nice and clear messages from Giant Alphabet, which will guide them to their child's work. However, if they sign in to the system, they have very limited tools for finding their child's work. They get notifications, but after viewing them, they can't easily find their own child's work. A parent might have limited interest to other children's work, so showing that to them should have a lower priority.

Score: 4.0/5 = Well supported

In the product there is meaningful contact with people who care about your actions rather than feeling that the contact is one-sided or meaningless. The user can feel connection with fictional characters and events in the product.

Main strengths

Relatedness

Score

- 1. The product supports communication with other people and there is are good reasons to communicate. 4.1
- 3. The product uses language which makes you feel welcome and cared for. 3.8

In Giant Alphabet there's a strong sense of community, because all public works are public to everyone. Anyone can comment the work as well.

Score: 4.0/5 = Well supported

Relatedness

In the product there is meaningful contact with people who care about your actions rather than feeling that the contact is one-sided or meaningless. The user can feel connection with fictional characters and events in the product.

| Main development areas | | Score |
|------------------------|---|-------|
| 1. | The product provides examples or motivation to learn the skill it tries to teach. | . 3.5 |
| 2. | The visuals and characters in the product are suitable for targeted users. | . 3.7 |

As mentioned, the teachers could have better tools for finding inspiring content and even communicating with other teachers.

The parents are notified about the work of their child, and they can go commenting that. The pupils have nice tools for peer feedback, they can filter post by their own class or school. The pupils are directed to be positive in their commenting.

Score: 3.6/5 = Supported

Feeling that the product takes the user into account as a capable and desired actor rather than feeling that the user's opinions and experiences are neglected.

Main strengths

Respect

1. The product doesn't include discriminative narrative or enforce unnecessary stereotypes. 5

Score

2. The product doesn't make assumptions on player's age, gender, race or origin. 4.2

Giant Alphabet doesn't make any assumptions about it's "default user" in the terms of gender, culture, race or nationality. The system messages and UI are designed in the way that the language doesn't exclude anyone. The illustrations don't have any unnecessary stereotypes, they are nice and attractive.

Respect



Feeling that the product takes the user into account as a capable and desired actor rather than feeling that the user's opinions and experiences are neglected.

| Main development areas | | Score | |
|------------------------|---|-------|--|
| 1. | The product doesn't have bugs which cause errors or crashing. | 2.7 | |
| 2. | The product gives clear feedback on all your actions | 3 | |

Giant Alphabet has some issues with the user feedback and general performance of the system. Because the focus is in the public feed, it is hard to find your own publications or publications of someone particular. This is a conscious choice from the designers of the system, but it should be better justified to the users. At the moment preventing eg. teachers easily filtering the feed to find their own students' work feels like it is done because the designers "know better" than the users, what the users want. The app also gave some error messages, which didn't describe the problem but were generic "Something went wrong" type of notifications.


Feeling that you get plenty of enjoyment and pleasure rather than feeling bored and understimulated by the product.

Main strengths

- Score

Although the teachers will appreciate the usefulness of the product over the enjoyment and aesthetics, Giant Alphabet doesn't neglect these aspects either. The UI is pleasantly looking and the system messages and dialogues are nicely illustrated. The feed always offers something new, so the teachers have a chance to find inspiring content. The UI and feel of the service is pleasant and approachable also for parents and pupils. Because the system can be used for students from age 4 up to 14 (and it would potentially work with older students as well), the system needs to look quite generic and professional.





Feeling that you get plenty of enjoyment and pleasure rather than feeling bored and understimulated by the product.

| Mai | in development areas | Score |
|-----|--|-------|
| 1. | The product encourages exploring it further. | 3.5 |

The students could be more encouraged to explore other people's work. This could be done by showing them more relevant content in the feed, eg. prioritizing the works of their own age group or showing works with similar subjects they themselves have published. Also teachers would benefit from examples and even tutorials or lesson plans, which would give them inspiration for using Giant Alphabet.

Score: 4.3/5 = Well Supported



Score

Feeling that the product is a safe environment for having fun and trying out things rather than feeling uncertain of the consequences or threatened by other users.

Main strengths

Safety

1. There is a way to report and possibly block misbehaving users. 4.5

In Giant Alphabet, the main safety worry with teachers, parents and pupils are related with public publishing of the works and knowing the status of the work. For the teacher, the publishing process tells clearly about the status of publicity of the work. The parental permissions are also well taken care of. The system offers good tools for moderating and flagging comments, so the students have a way to report misbehaving people and the teacher can take actions.

Because the publishing process is completely teacher led, the pupils and parents don't need to worry about that. The parents will receive well explained permission request, which offers plenty of more information if the parent is uncertain.





Score

Feeling that the product is a safe environment for having fun and trying out things rather than feeling uncertain of the consequences or threatened by other users.

Main development areas

Safety

1. It is always clear, who can see the actions and creations user does. 3.8

When a student publishes something, and the parent follows the link to see the publication, the page presenting the work doesn't actually show, if the work is public to everyone in Giant Alphabet or not. It also doesn't tell, who can read the comments the parent writes to the post. This should be more clear.



Results

Pedagogical Approach

Combined scores of pedagogical dimensions:

- Reading & Writing: 6 Skills
- Life & Career: **7 Skills**
- Learning & Innovation: 6 skills
- ICT Literacy: 6 skills

The score explains how product performs when considering different pedagogical dimensions. According to the analysis, the main development needs are to **make students role more active** and the **learning experience more constructive**.



Giant Alphabet – High Educational Quality Aspects

- 1. Increases emotional engagement in writing process.
- 2. Supports learning through **peer-feedback**.
- 3. Provides meaningful, goal oriented assignments.
- 4. Supports student's **autonomy** by leaving plenty of choices for learner.
- 5. Feedback of success is clear and comes immediately.
- 6. Requires student to engage with writing assignments in order to progress.
- 7. It is easy for students to **reflect** their own learning progress.
- 8. **Pleasant and safe to use** and respects all users equally regardless of user's age or gender.

Pedagogical Approach 88 %







According to Kokoa Education Standard evaluation, Giant Alphabet represents high educational quality and is proven to promote learning efficiently.



Background

Expert Evaluation of what the solution teaches and how it teaches?



Expert Evaluation and Rating

The analysis of how the product supports learning of different skills is done by using a contrary pair criterion. The evaluator uses contrary pairs to diagnose skill-specifically the pedagogical approach which the product represents. The diagnosis is done by using slider between contrary pairs, setting the slider in a position that describes the product's approach. Evaluator uses the same slider to describe the best possible approach and gives a rate (0-100) on how adequate approach the product has.

All diagnoses and ratings are done by two expert-evaluators separately. After all skills are diagnosed through the criterion, evaluators discuss and form a concluding diagnose of two separate evaluations.

The rating points out the strengths and development areas, mirroring them with the needs of education field and product development possibilities. After pointing out the development areas, the analysis gathers suggestions on how to improve the product.

Outcomes

Q Defining what and how the product teaches

Q Analysis of features which **engage** the learners

Q Pointing out the strengths and development areas

 ${\bf Q}\,$ Giving validation for building the marketing message

Pedagogical Model and Learner Perception

In the first phase of the analysis evaluators are forming product related statements to define a variation of skill sets that the use of the product supports. The base of the statements is formed upon definitions of 21st century skills, Finnish pedagogics and existing research evidence related to the product. The reason for using the mentioned influencers is that they represent the needs of the education field globally.

In the second phase the same influencers are used to develop the criterion for evaluation how the product supports learning of different detected skills. Finnish new curriculum represents a learner perception based on most advanced understanding of efficient pedagogical approach and therefore it can set the highest quality standards for education tools. Regarding the role of the student, we characterize the learning solution as promoting learning that is situated somewhere on the scale between *passive* and *active*. As key components determining the characteristics of the solution on this scale we use *accountability*, *behavioural engagement and emotional engagement*.

| Agency | Behavioural engagement | Emotional engagement |
|----------------------------|---------------------------|-------------------------|
| Autonomy | Interactivity | Activating motivation |
| Self-regulation Engagement | | Sustaining motivation |
| Intentionality | Scaffolding | Feed forward |

Passive

Hietajärvi, Maksniemi (2017) / Engaging learning Ltd. (University of Helsinki)

Active

Regarding the learning activities, we characterize the learning solution as promoting learning that is situated somewhere on the scale between rehearse and construct. As key components determining the characteristics of the solution on this scale we use sparking of interest, building of knowledge and reflection of learned.

| Interest | Knowledge building | Reflection |
|----------------------------|--|-------------------------|
| Activating interest | Defining goals | Reflection |
| Mapping prior knowledge | Applying existing knowledge (adaptation/ assimilation) | Decision-making |
| Customisation | Knowledge creation | Difficulty optimisation |

Rehearse

Hietajärvi, Maksniemi (2017) / Engaging learning Ltd. (University of Helsinki)

Construct

Pedagogical approach - Individual / Collaborative

Regarding the learning activities, we characterize the learning solution as promoting learning that is situated somewhere on the scale between individual and collaborative. As key components determining the characteristics of the solution on this scale we use interaction, responsibility and regulation.

| Interaction | Responsibility | Regulation |
|-------------------------|---------------------|-------------------------------------|
| Interaction | Accountability | Self / co-regulation |
| Fostering collaboration | Peer support | Personal / shared learning goals |
| Content sharing | Information sharing | Independency / co-dependency |

Individual

Hietajärvi, Maksniemi (2017) / Engaging learning Ltd. (University of Helsinki)

Collaborative

Regarding the learning process, we characterize the learning solution as promoting learning that is situated somewhere on the scale between linear and non-linear. As key components determining the characteristics of the solution on this scale we use procession and predictability.

| Process | Predictability |
|------------------|----------------------------|
| User progression | Predictability of outcomes |
| UX optimisation | UX limitations |



Hietajärvi, Maksniemi (2017) / Engaging learning Ltd. (University of Helsinki)

Assessing User Happiness

The user experience evaluation is done from the perspective of the user happiness. The evaluation assesses, how fun and engaging an product is to use, and it is suitable for entertainment games, learning games and utility apps.

The evaluation uses a list of heuristics, which focus on the activities the users are able to do with the product, and how these interactions make the users feel. It takes into account the general usability of the products, but looks behind issues which are not essential for the experience. Therefore this type of evaluation is also suitable for proof of concept -state prototypes and ideas.

The evaluation report serves as a tool for the design and development team. It shows what are the features that support the user happiness the best, and how they do it. It will also point out things that hinder the happiness, and ways the experience could be improved.

Sources: The aspects of user happiness are adapted from Hassenzahl, Marc et all: Designing Moments of Meaning and Pleasure. Experience Design and Happiness. International Journal of Design Vol. 7 No. 3 2013

| Autonomy | The user's actions in the product are based on their own decisions rather than feeling there is external pressure to choose a certain action. | |
|--------------------------------|---|--|
| 1. The user can | create their own goals for the use. | 4. The product sets limitations for using it when and where I want to, and the limitations feel unnecessary or annoying. |
| 2. The product | motivates the use well | 5. It is possible to make choices, and the different choices have clearly different and meaningful outcomes. |
| 3. It is easy to u product. | nderstand, what is the goal in using the | 6. It is possible to use creativity and express yourself when using the product. |

Learning Engagement

| Competence Feeling that you are very capable and effective in your actions rather than feeling incompetent or ineffective | |
|--|--|
| 1. The product rewards the user in a meaningful way and according to the challenge | 5. Progression on the product depends on succeeding on things relevant for learning. |
| 2. The product gives you enough information to use it efficiently. | 6. The first time experience is encouraging and it is easy to learn to use the product |
| 3. Navigation in the product is easy and intuitive. | 7. It is possible to feel successful and proud of myself when I am using the product. |
| 4.The challenges and tasks in the product feel optimal for the targeted users | Experienced and advanced users can find more challenge in the product. |

| Relatedness | In the product there is meaningful contact with people who care about your actions rather than feeling that the contact is one-sided or meaningless. The user can feel connection with fictional characters and events in the product. | |
|--------------------------------------|--|---|
| 1. The story or f motivates learr | ictional world present in the product ning | 4. The product supports social interaction, such as multiplay or sharing of content with other people |
| 2. The product welcome and c | uses language which makes you feel cared for. | 5. The product provides examples or motivation to learn the skill it tries to teach. |
| 3. The visuals a suitable for tar | nd characters in the product are geted users. | 6. The product supports communication with other people and there is are good reasons to communicate |

| Respect Feeling that you are very capable and effective in your actions rather than feeling incompetent or ineffective | |
|---|--|
| 1. The product gives clear feedback on all your actions | 4. The product is suitable for both inexperienced and experienced users. Players can eg. skip tutorials or choose wanted difficulty levels |
| 2. The product doesn't make assumptions on player's age, gender, race or origin. | 5. The product doesn't have bugs which cause errors or crashing. |
| 3. The product doesn't include discriminative narrative or enforce unnecessary stereotypes | |

| Stimulation | Feeling that you get plenty of enjoyment and pleasure rather than feeling bored and understimulated by the product. | |
|---|---|--|
| 1. The product enc | ourages exploring it further | 4. The user doesn't unnecessarily need to repeat things which they have already learned |
| 2. The product's ch targeted users, or i | hallenge level is optimal for the it can be chosen | 5. The product's graphics, sounds and other elements support the narrative and user experience in a meaningful way and are pleasant. |

| Safety | Feeling that the product is a safe environment for having fun and trying out things rather than feeling uncertain of the consequences or threatened by other users. | |
|--------------------------------|---|---|
| Ŭ | ors is beneficial. Everytime you make an Irn something from it | 4. The user does not lose any hard-won rewards or results if they do something wrong. |
| 2. There is a v misbehaving | way to report and possibly block users. | 5. f the user shares content - their work, their comments or anything else - it is always clear, who has access to the shared content. |
| · · | ct doesn't include content or advertising be harmful for the targeted users | 6. The user cannot make irreversible errors. Points that lead to restarting the use or re-doing things without a considerable effort should not be possible |

The white paper article describes the theoretical background of the evaluation.







Find out more at www.kokoa.io