

Testing applications for children

Por
Nadia Cavalleri

This is me

Went through different roles

I managed a company, founded a congress, led teams, train new testers, worked as consultant, tester and clinical psychologist.

Produce videos

For my YouTube channel

Actively participate in the community

As lecturer in educational institutions, South American judge of the Testing World Cup, Member of the evaluation committee of different conferences,

Graduated

As a Systems Engineer and as a Psychologist



Certified

IBM Rational Functional Tester
Fundamentals Software testing
Scrum Foundations

Give conferences

In Argentina, Spain, Uruguay, Germany, Brazil, Peru, Bolivia Austria, Romania and Chile.

Write books and articles

You can find them at LeanPub, SQ Mag, Quality Matters, Tea times with testers, iProfesional and Testing Experience

Recognized

As digital leader by Globant, one of the most influential women in testing by Abstracta, Global Excellence Awards Finalist by ISTQB and South American Judge of the testing worldcup.

Have hobbies

Testing, figure skating, volleyball, walking, traveling and white chocolate.



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What is special about children?



LOADING

Jean Piaget



Stages of cognitive development



- Sensorimotor stage (0 to 2 years)
- Preoperational stage (2 to 7 years)
- Concrete operational stage (7 to 12 years)
- Formal operational stage (+12 years)

Sensoriomotor



Preoperational



Concrete operational



Formal operational

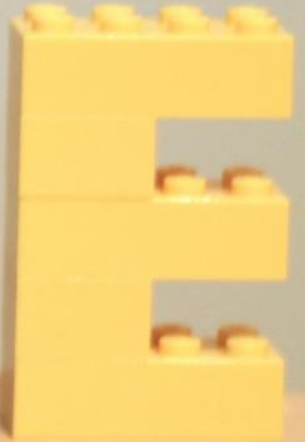
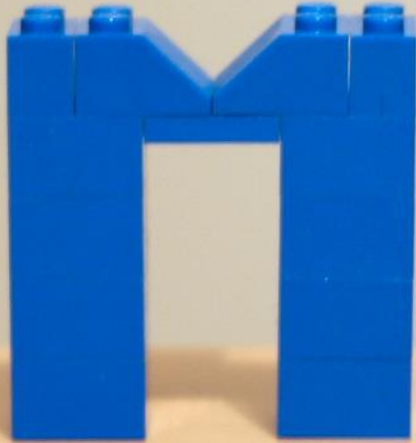


Digital natives





Avoid frustration



kindle

in the way he moved. The courtesy he showed towards Miss Montag made a striking contrast with the way she had been treated by K. Nonetheless, Miss Montag did not seem to be cross with K. as it even seemed to him that she wanted to introduce the captain. K. however, did not want to be introduced, he would not have been able to show any sort of friendliness either to Miss Montag or to the captain, the kiss on the hand had for K., bound them into a group which would keep him at a distance from Miss Bürstner whilst at the same time seeming to be totally harmless and unselfish. K. thought, however, that he saw more than that, he thought he also saw that Miss Montag had chosen a means of doing it that was good, but two-edged. She exaggerated the importance of the relationship between K. and Miss Bürstner, and above all she exaggerated the importance of asking to speak with her and she tried at the same time to make out that K. was not interested in anything. She would be

"Click with the mouse on the cube"





Hospital 66 67
65 67a
65a 66a 67a
27a 28a 67b
27 28a
28

Coral Coast avenue

UAT

- Get an adequate and diverse number of children.
- The meeting was faced as a playful activity in order to children not to feel observed.
- They don't have filters when they talk.
- They will not test the system when we want but they will do it when they feel like using the application.
- Heterogeneous group of professionals participate in the observation

Conclusions

- Focus on mobile testing
- Calls to action
- Performance testing
- Prevent systems and users errors
- Keep the interfaces simple
- Variable reading levels
- Be clear but not rigid
- Symbolic capacity is still developing
- Don't abuse with advertising
- Appeal to children mental model

**Testing software for children is very different,
even though we all have a child inside us.**



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References

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- Nielsen Norman Group. UX Design for Children (Ages 3-12), IV edition, <https://www.nngroup.com/reports/children-on-the-web/>

Questions or comments?



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¡Muchas gracias!



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About the application

- Educational system
- Stimulate children to practice what they learned in class
- Choose your room > Education games are displayed
- Administrational panel for teachers
- The exercises that are asked to children to solve are the virtual version of the activities they have already done in class.