

EDUCATIONAL GAME FOR AUTISTIC CHILDREN USING VIRTUAL SOCIAL ACTOR

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Introduction

Autism Spectrum Disorder (ASD) is a syndrome prevalent around the world.[1] Autistic children suffer from deficiencies in mental abilities and problems in social skills and communication. Autistic children prefer to interact with technology as it causes them less anxiety than face-to-face or group work.[2]

Abstract

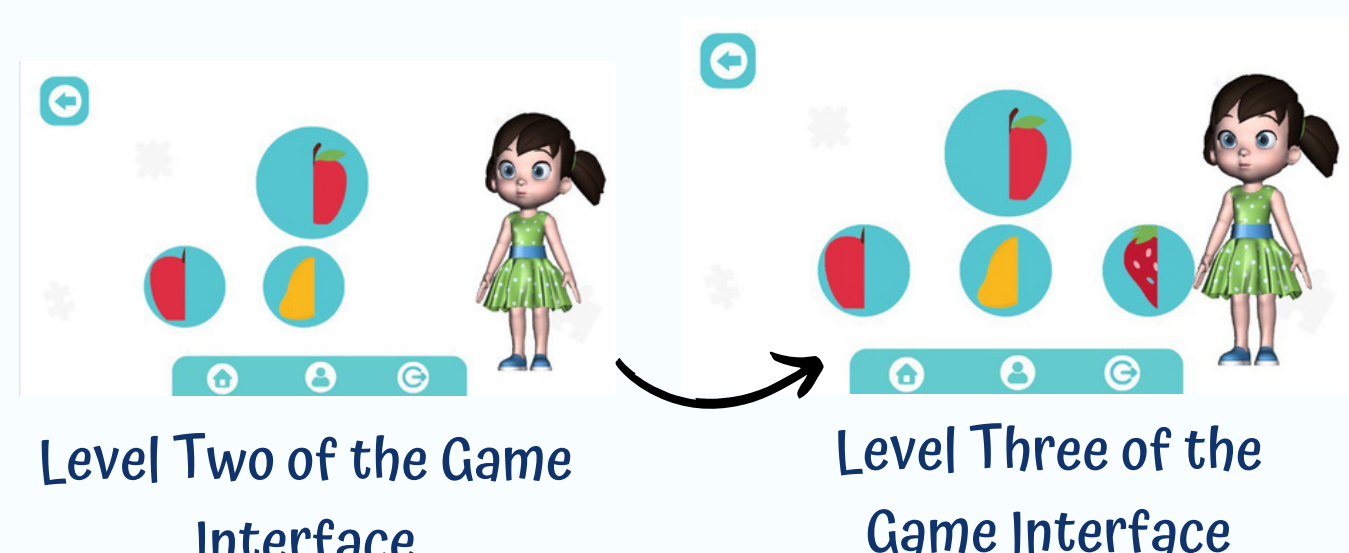
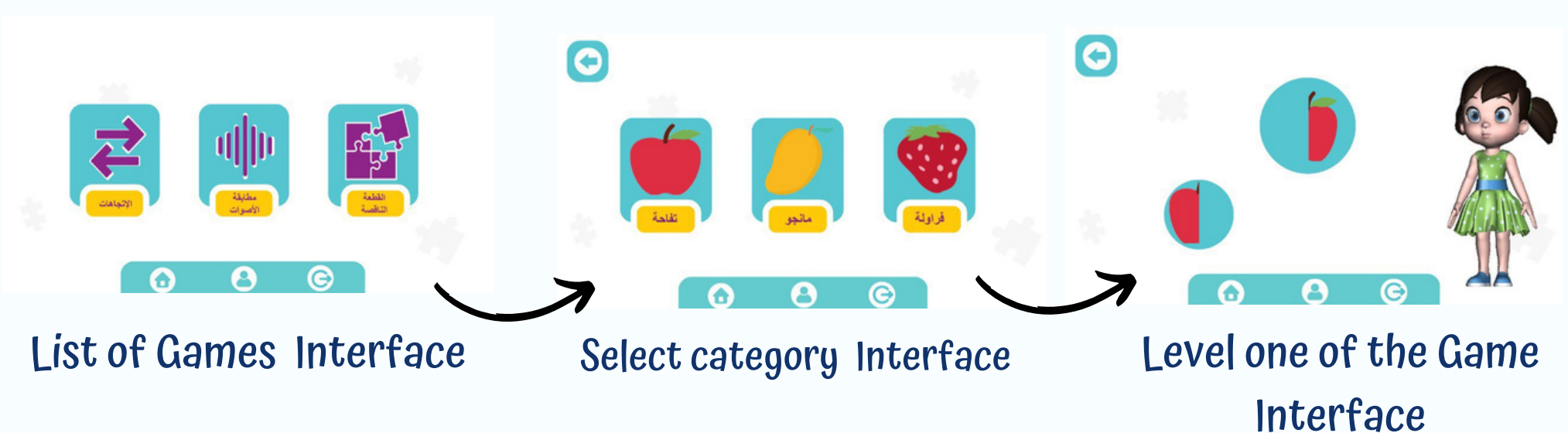
The project uses HCI and a Social actor called Ladona to teach the child some skills through educational games in the Arabic language.

Social actor help the children to play the games by giving them instructions on games and motivate them.

Objective

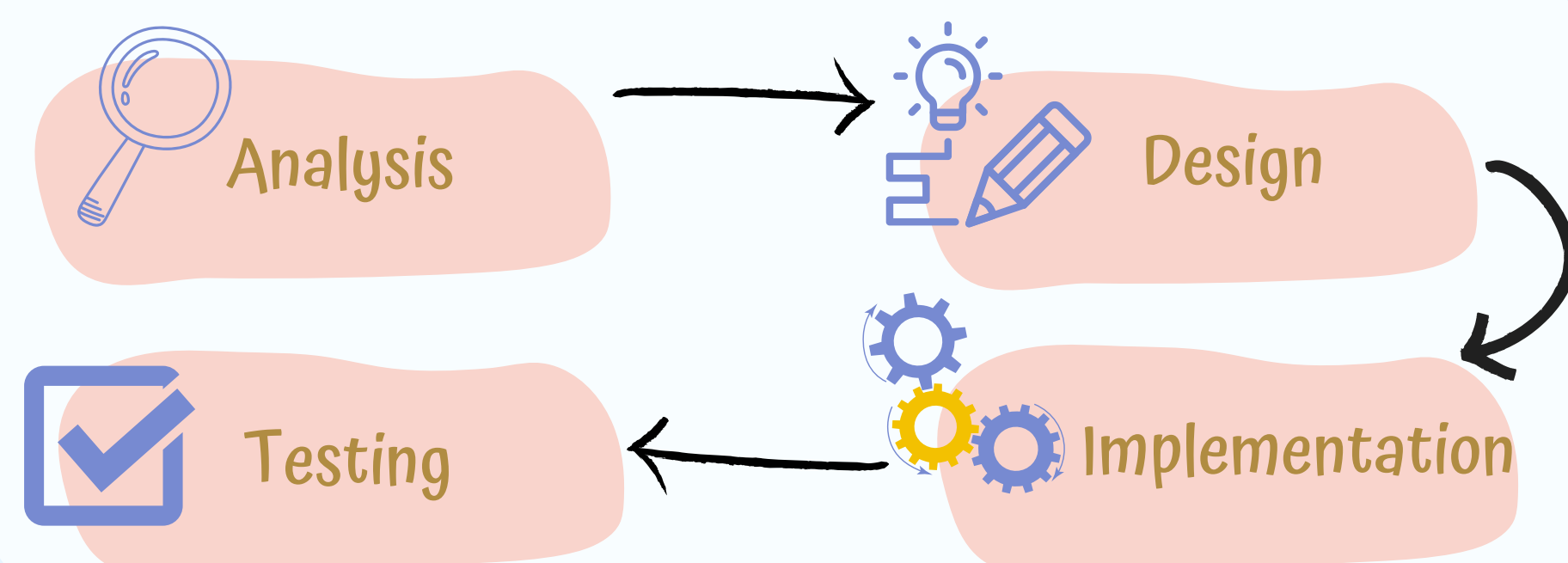
- 1 Develop HCI application for autistic children in Arabic language.
- 2 Transform real life autism games to virtual games.
- 3 Help autistic children improve communication, cognitive and pronunciation skills.

Application Interfaces



Methodology

The waterfall model chosen for this project



Tools



Social Actor



Ladona

Conclusion

Ladona application help autistic children in their journey through educational games to teach them some skills and also the social actor that will interact and motivate the children.

Future Work

- 1 Do user testing with autistic children.
- 2 Improve the games and add more categories.
- 3 Let the child make real-time conversation with the social actor.

Refrances

Contact



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