COMP3423 HCI Assignment 3 presentation

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TABLE OF CONTENTS

01 Requirements Gathering

02 Requirements Analysis

03 Demo & Prominent Features

04 Test Methods and Results

Requirements Gathering

01

Online Interview:

Students, Teachers, Parents

02

Try previous prototype

Share experience & suggestion

03

Collect useful information

Organize requirements for different stakeholders

Requirements Gathering -students

- **Student Account**
  - Do initial registration with parents
  - Set student ID for log in
- **Setting**
  - Sound, font
- **Learn**
  - Addition, subtraction, multiplication, division
  - Fun and straightforward way

Requirements Gathering -students

- **Quiz**
  - More practices, test themselves
  - Different levels
- **Game**
  - Interactive with peers and parents
  - Review Knowledge
- **Track**
  - Review learning process
  - Review wrong answers in quiz

Student Non-functional Requirement

Accuracy

Knowledge and answer provided shall be true

Safety

Safekeeping personal information and learning data

Usability

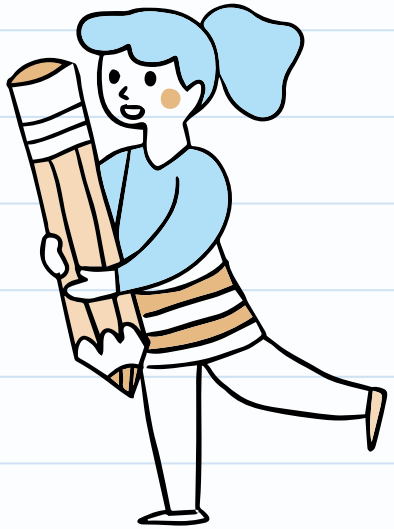
User-friendly get real-time and positive feedback

Reliability

Processing time shall be short

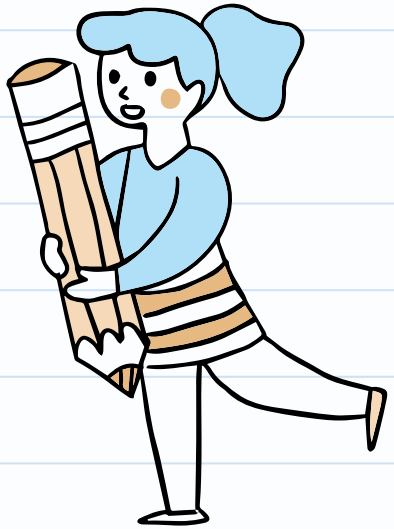
Requirements Gathering -parents

- **Parents Account**
  - Connect with children
- **Track**
  - Children learning progress
  - Quiz report
- **Game**
  - Interact with children
  - Better know children



Requirements GATHERING -Teachers

- **Teachers Account**
  - Connect with students, parents
- **Track**
  - Children learning progress
  - Quiz statistics
- **Management**
  - Design quiz questions
  - Students information



Teacher/parentes
Non-functional Requirement

Accuracy

Results for parents' interact game shall be correct

Safety

Safekeeping personal information and class statistics

Usability

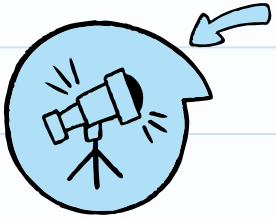
User-friendly
Flexible and efficient track children/students

Reliability

Processing time shall be short

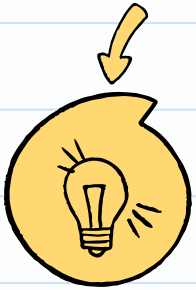
DEMONSTRATION

TESTING METHODS



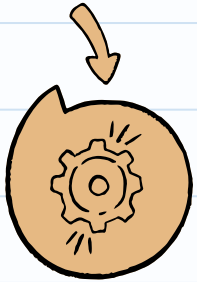
IDEAL TESTING

Invite students & parents & math teacher from a primary school to experience



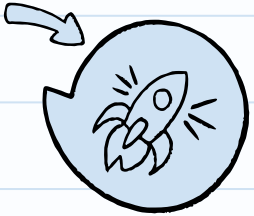
IDEAL INTERVIEW

Observe performance & Face-to-face interview



INVITE PREVIOUS USERS

User who participated in online interview to experience new version



SURVEY

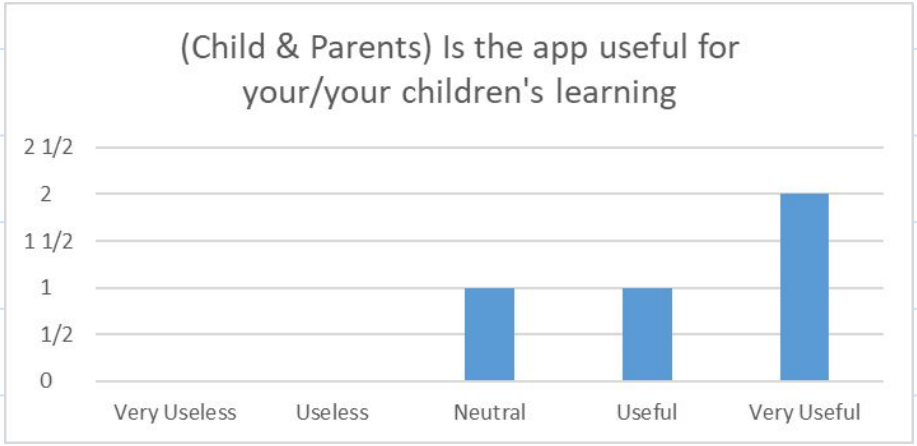
Fill questionnaire design for different stakeholders

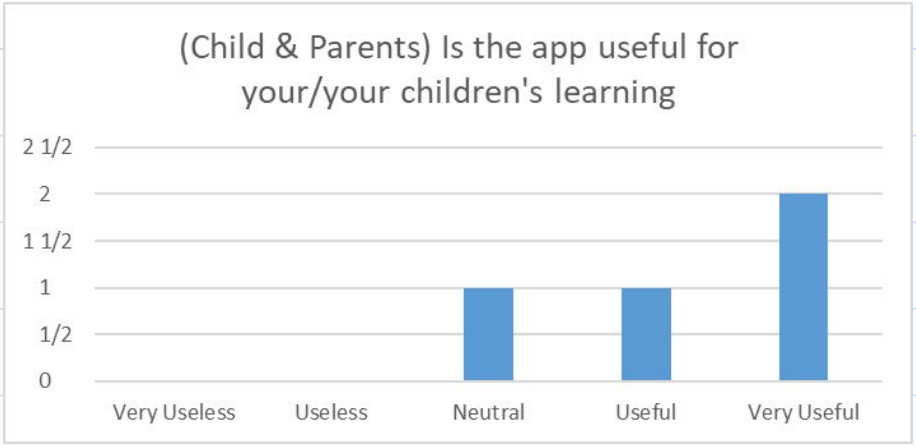
Invite:
2 children
2 parents
2 teacher
To try our prototype
Then take survey

Our Survey

Practicality

- Is the app useful for your / your children's learning? (Only for child & parent)
- Did you know your children's/student's learning progress better?(for parents & teacher)

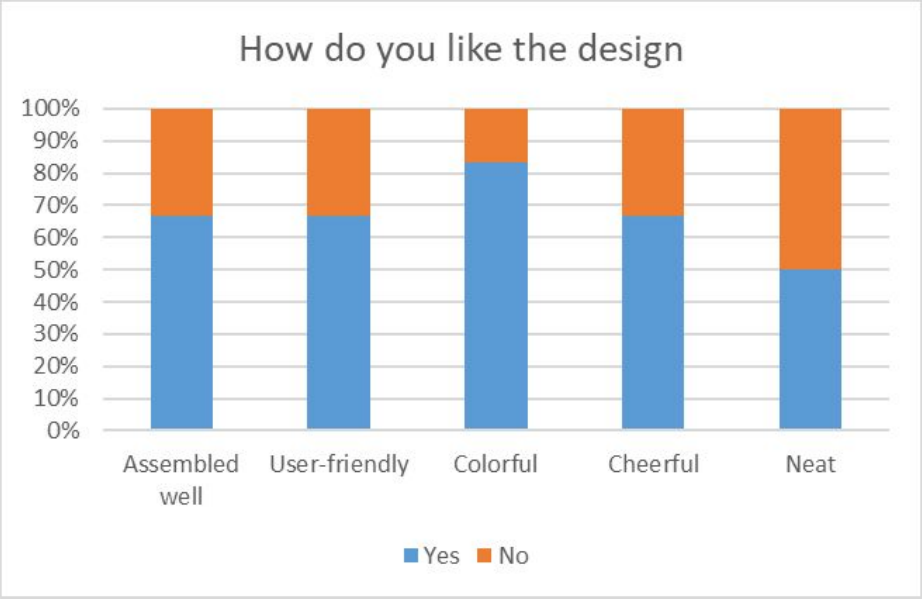




Our Survey

Design

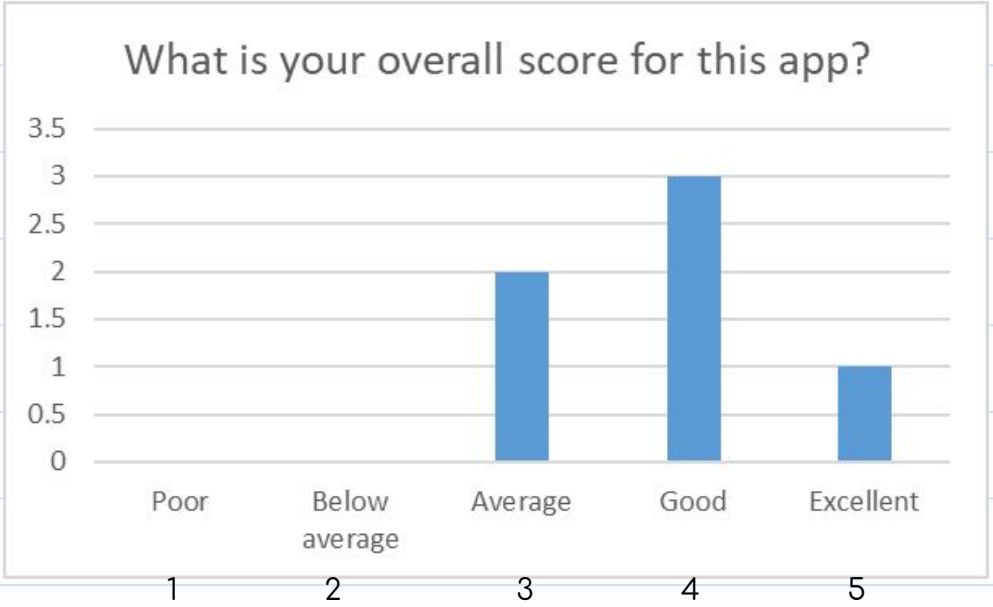
- How do you like the design? - Assemble, User-friendly, Colorful, Cheerful, Neat



Our Survey

Overall experience

- Overall Score you want to give for this app.

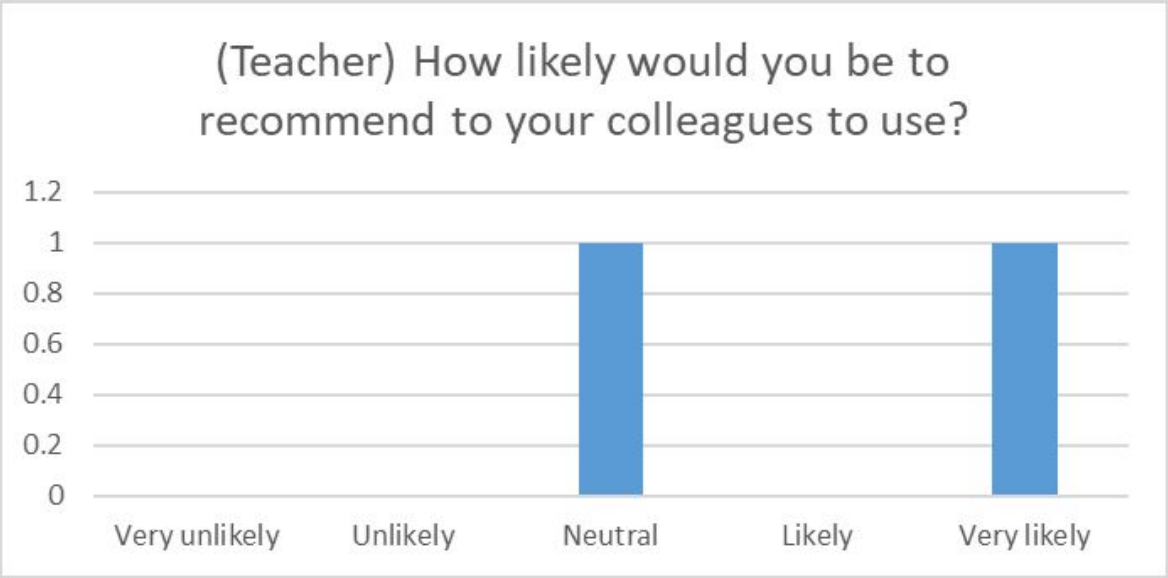


Average Score:
3.83
Between average & good

Our Survey

Recommendation

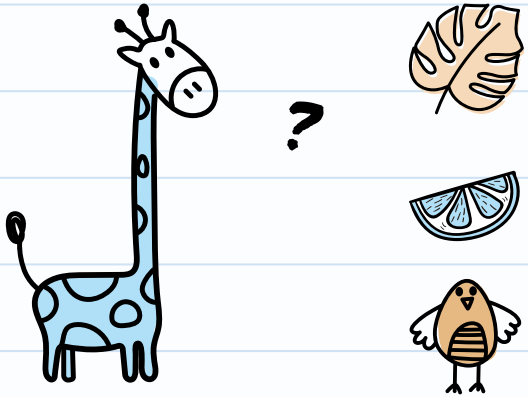
- How likely would you be to recommend colleagues to use? (Only for teacher)



Our Survey

COMMENT

- Any comments for this app?
  - Need more interactive games for game function.
  - Sometimes game parts does not interact well between two player.



Thank you for watching!