

# GRASP

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# Description

More advanced mathematical skills are based on an early math “foundation”. This web application is for kids mainly for early learners. This application will help kids to improve their math skills to do even big calculations faster. Parents can also keep track of their performance.

# Features

- ▶ Parents can register their kids
- ▶ Kids can take test in different topics. They can also see their scores with time taken to perform the test.
- ▶ Parents will receive their kid's score after each test taken.
- ▶ Parents can also keep track of their kid's previous scores in tabular form.

# Planning - User Stories

- ▶ Users can register kids
- ▶ Users can choose any topic from the list for the test
- ▶ Users can see if they have answered the question correctly after each question
- ▶ Users can see their test score and time taken after each test
- ▶ User can list previous score topic wise to see their performance

# Planning - DB and Models

## Model classes / tables

- ▶ User
  - ▶ Topic
  - ▶ Result
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# Technology Stack

- ▶ Java 8
  - ▶ Spring Boot
  - ▶ Thymeleaf
  - ▶ Java Persistence Annotation
  - ▶ Hibernate
  - ▶ MySQL
  - ▶ Bootstrap (HTML, CSS)
  - ▶ Javascript
  - ▶ SMTP Mail
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# What I Learned

- ▶ How to create Wireframe
  - ▶ About Agile Model and importance of user stories
  - ▶ How to prioritize the user story
  - ▶ How to use Google Authentication
  - ▶ Using Google SMTP Mail Server for sending email
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# What's Next

- ▶ Search
  - ▶ Deploying the application to Pivotal Cloud Foundry
  - ▶ Data Migration
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