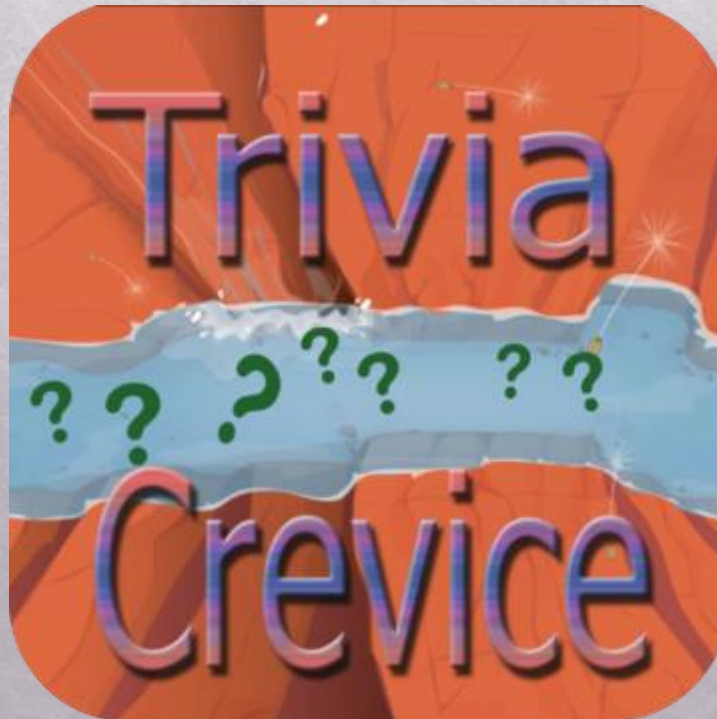


Trivia Crevice

<https://cop4331mern.herokuapp.com/>



Santiago Alvarez

Juan Herrera Bujato

Daniel Foster

Renhan Huai

Elaine Ng

Christopher Stephens

James Zhou

Team Members

- ◆ Project Management:
 - ◆ Santiago Alvarez
- ◆ Backend:
 - ◆ Juan Herrera Bujato
 - ◆ Renhan Huai
- ◆ Mobile:
 - ◆ Daniel Foster
 - ◆ Christopher Stephens
- ◆ Web Application:
 - ◆ Elaine Ng
 - ◆ James Zhou

Technology Used

◆ Front End:



◆ React



◆ Bootstrap

◆ Mobile:



◆ Android Studio



◆ Eclipse

◆ Database:



◆ Atlas



◆ Mongoose

◆ API:



◆ Postman



◆ Swagger Hub



◆ dotenv



◆ Mocha



◆ Express

◆ Multiple:



◆ Discord



◆ GitHub



◆ Heroku



◆ Node.js



◆ CORS



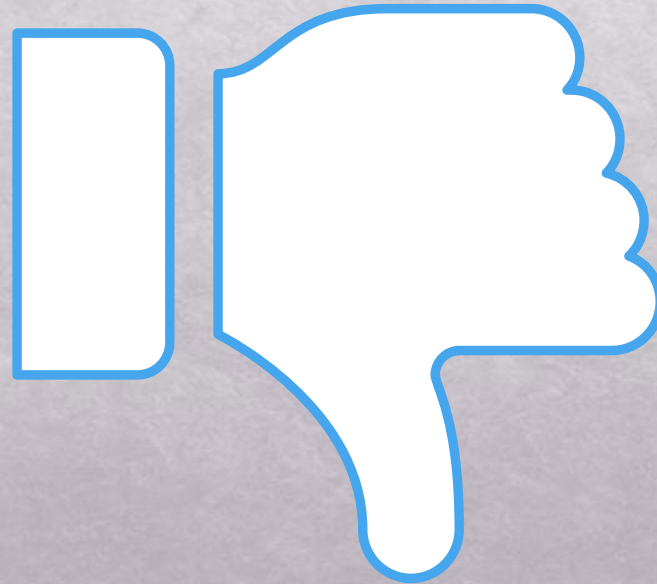
Things that went well

- ◆ Communication
- ◆ Proactivity
- ◆ Time Management
- ◆ Planning
- ◆ Creativity

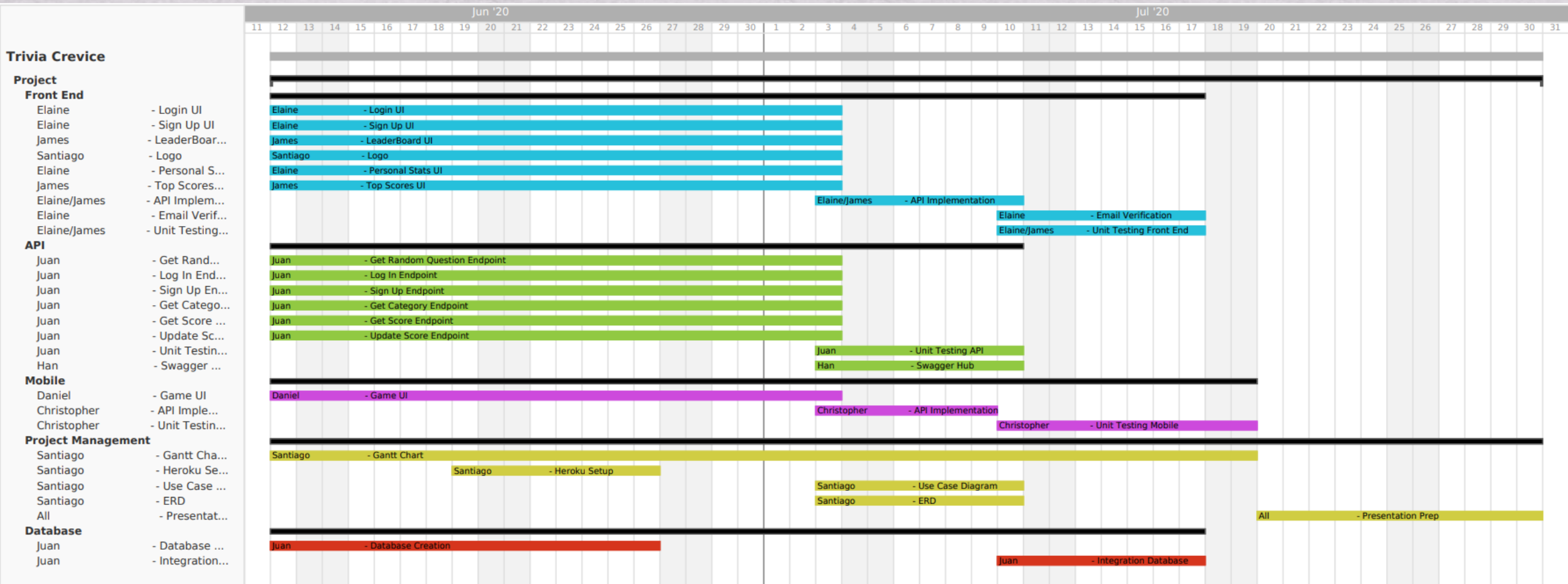


Things that did not go well

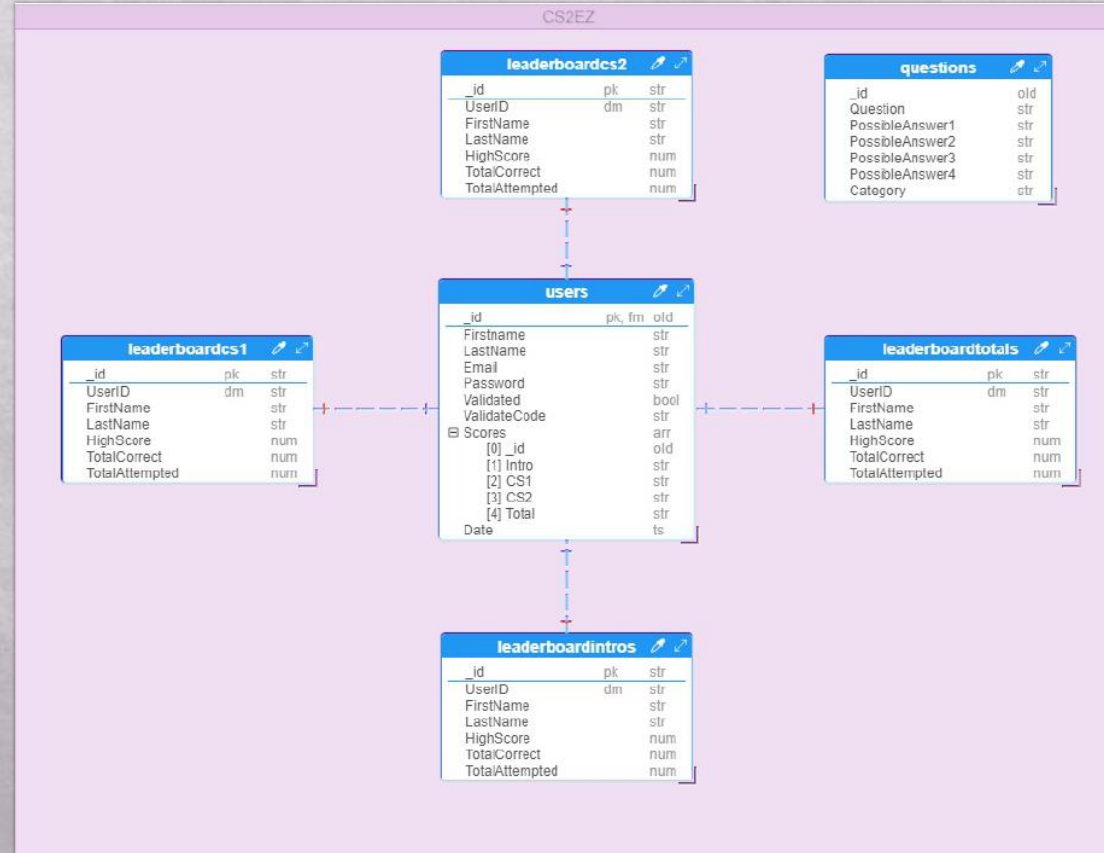
- ◆ Learning Mongoose Database
- ◆ Bugs
- ◆ Integration
- ◆ Security



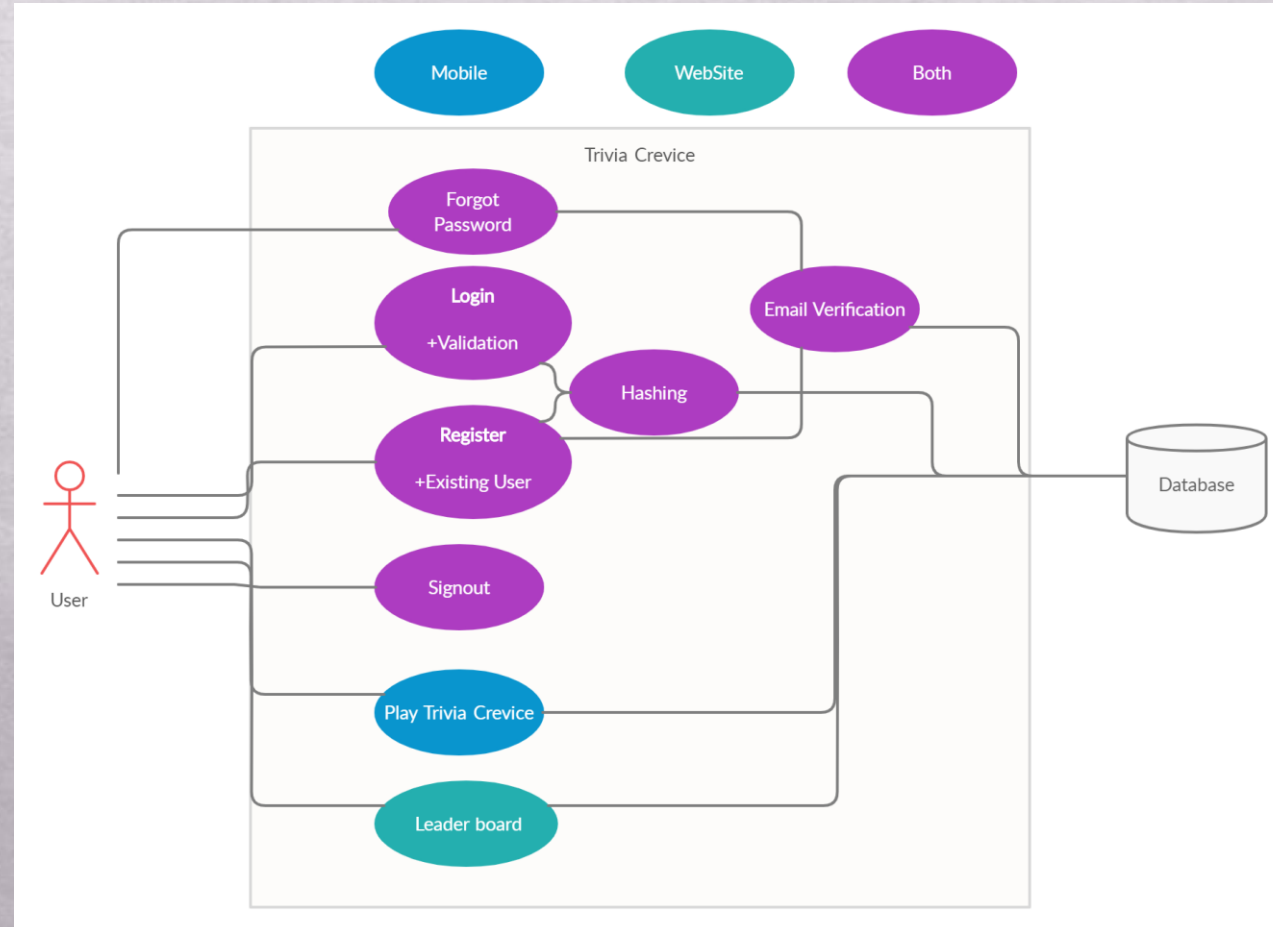
Gantt Chart



ERD



Use Case Diagram



Database

- ◆ Collections (6)
- ◆ Models
 - ◆ User
 - ◆ Questions
 - ◆ Leaderboards (4)
- ◆ Mongoose



API

- ◆ 14 Endpoints
- ◆ Functions
- ◆ Routing
- ◆ Async
- ◆ Organization
- ◆ Version Control ENV variables



API Demo

◇ <https://app.swaggerhub.com/apis/henry8florida/Trivia/1.0.0>



SwaggerHub

Web App

- ◆ Learning React
- ◆ API integration
- ◆ React Bootstrap



Web Site Demo

- ◆ Web Application - <https://cop4331mern.herokuapp.com/>

Mobile

- ◆ Android Studio
- ◆ API Integration



Android
Studio

Mobile Demo

◆ Mobile App

Unit Testing

```
PASS src/App.test.js
  ✓ App renders without crashing (67ms)
  ✓ Login button component (8ms)
  ✓ Login input component (1ms)
  ✓ Register button component (2ms)
  ✓ Register input component (6ms)
  ✓ Verification button component (2ms)
  ✓ Verification input component (1ms)
  ✓ Forgot Password button component (1ms)
  ✓ Forgot Password input component (2ms)
  ✓ Reset Password button component (2ms)
  ✓ Reset Password input component (5ms)
```

```
Test Suites: 1 passed, 1 total
Tests:       11 passed, 11 total
Snapshots:   0 total
Time:        3.34s
Ran all test suites related to changed files.
```

Watch Usage

- > Press a to run all tests.
- > Press f to run only failed tests.
- > Press q to quit watch mode.
- > Press p to filter by a filename regex pattern.
- > Press t to filter by a test name regex pattern.
- > Press Enter to trigger a test run.

Finished after 24.002 seconds

Runs: 8/8 ✖ Errors: 0 ✖ Failures: 0

TestSuite [Runner: JUnit 5] (23.615 s)

- ✓ testId() (0.152 s)
- ✓ testLastName() (0.075 s)
- ✓ testPushScore() (23.074 s)
- ✓ testUserNotVerified() (0.057 s)
- ✓ testUserExists() (0.059 s)
- ✓ testFirstName() (0.066 s)
- ✓ testUserNotRegistered() (0.063 s)
- ✓ testIncorrectPassword() (0.069 s)

Questions