

# Project Technology Report

Cardspark - Group 26

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## 1 Client-side

- **Ruby on Rails**

We choose Rails as it allowed fast prototyping of our web application and followed the MVC architecture so it was easy to separate the view from the models and controllers.

## 2 Server-side

- **Swift**

We choose Swift as we had wanted to work on the iOS platform and Swift is needed to achieve this. Also most our works tools such as phones and laptops were already in the Apple ecosystem so it made sense for us to pursue this route.

## 3 Version Control, Continuous Integration and Deployment

- **Github**

Used as our git repository hosting service as it provides free private repositories and we had used it before.

- **CircleCI** (linked to github repo)

Used for continuous integration as it was easy to set up and works with Ruby on Rails.

- **Code Climate** (linked to github repo)

Used by our group to monitor our overall code quality. Allows us to see adjustments needed after every commit.

- **Heroku** (linked to github repo)

We push to a remote Heroku repository which then deploys our backend onto its cloud platform.

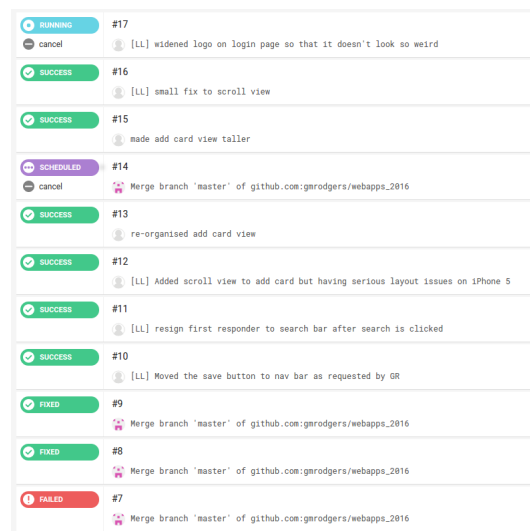


Figure 1: CircleCI builds