

Project Technology Report

Cardspark - Group 26

June 5, 2016

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**

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.

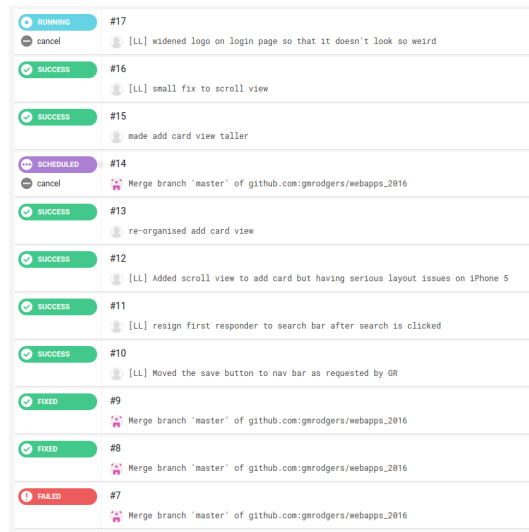


Figure 1: CircleCI builds