CoachUp

ADVANCED SOFTWARE ENGINEERING 2015

Amanda Karavolia – Michael Jungo – Jocelyn Thode – Simon Brulhart – Andrea Liechti

Introduction

CoachUp – Where you meet people, teach, learn & share

- Find coaches and courses in selected sports

- Offer a course and earn money

- Push yourself to achieve your goal

- Meet new people

- Rate your coaches

Find a course and get started

- One time events

- Recurring training sessions

- Some courses are free

- Upcoming training sessions

Features of CoachUp

- Profiles with profile picture, ratings and favoriting
- Courses with training sessions and maps
- Facebook sharing and linking
- Google calendar export
- E-Mail reminders
- Search function

Demo

(screencast)

Project Management & Implementation

Initial plan

- Sprint 1 – 20. October
  - User authentication, user profiles, basic training session model, view and controller
- Sprint 2 – 3. November
  - Training session with map and calendar, functionality to form partnership and apply for training session, remove application for training session
- Sprint 3 – 17. November
  - Calendar View, calendar export, advertisement and facebook sharing, e-Mail reminder, search engine
- Sprint 4 – 1. December
  - Rating of coaches, coach can inform all his trainees, first test sessions and bug fixing
- Sprint 5 – 11. December
  - Testing and bug fixing

Differences from initial idea

- Partnerships

- Coaches cannot post content to the trainees

- No manual subscriptions to sports

Organization

- First meeting on Tuesday
- Issues on GitHub
- Second meeting on Friday
- Reviewing over the weekend
- Merge into development branch
- Deploy on Heroku

Issues in GitHub

- Issues for tasks
  - GitHub milestones (sprints)
  - Sprint backlog comments
    - Description, priority, reviewer, effort planned, actual effort
  - Assignee
  - Tags (to review, bug, refactoring, etc.)

Coding Highlights

- Recurring Training sessions
- Storing pictures on Cloudinary
- Cron jobs for e-mail reminders and CyberCoach entries
- Google and Facebook integrations
- Gem for CyberCoach

CoachClient

- Available on RubyGems.org (coach_client)
- Wrapper around the CyberCoach API
- Access resources
- Save, update and delete
- Documentation

Testing

- No automated tests for rails
- CoachClient gem fully tested (95% coverage)
- Rspec
- VCR with WebMock

Lessons learned

- Testing

- Maybe more JavaScript for the front-end

- Not using partnerships from CyberCoach

- Code guidelines (e.g. Rubocop)