

# gapSort

## SPRINT 1 PLAN

COMPLETION DATE: 10/10/16

REVISION NUMBER: 0

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BY:

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- **GOAL:**

- Have a working base website via web2py
- Learn the basics of web2py & ractive
- Implementing radio buttons, textfields, checkboxes for a simple page
- Design an algorithm to find gaps in time
- Use a server for saving data

- **TASK LISTING ORGANIZED BY USER STORIES:**

- USER STORY 1: "As a developer, I want to have a database (3 story points)"
  - Task 1 - Design a Schema (2)
  - Task 2 - Implement the schema in web2py (2)
  - **Total Time: 4 hours**
- USER STORY 2: "As a user, I want to login (2 story points)"
  - Task 1 - Figure out how to use the auth table with our schema (2)
  - Task 2 - Implement necessary schema changes (2)
  - **Total Time: 4 hours**
- USER STORY 3: "As a user, I want to see my schedule (5 story points)"
  - Task 1 - Make a controller function to provide event data (2)
  - Task 2 - Make a view that displays a graphical calendar (2)
  - Task 3 - Display event data onto calendar (2)
  - **Total Time: 6 hours**
- USER STORY 4: "As a user, I want to access a homepage" (2 story points)
  - Task 1 - Start a base web2py application to start work with (1)
  - Task 2 - Be able to locally host the page (1)
  - **Total Time: 2 hours**
- USER STORY 5: "As a user, I want to be able to input my schedule". (8 story points)
  - Task 1 - Create forms to accept schedule info (3)
  - Task 2 - Store info in database (3)
  - **Total Time: 6 hours**
- USER STORY 6: "As a user, I want this tool to find gaps in my schedule". (8 story points)
  - Task 1 – Design an algo to look for no time overlaps (2)
  - Task 2 -- Retrieve schedules for comparison (2)
  - Task 3 -- Implement algorithm to find gaps and display gaps in simple text (3)
  - **Total Time: 7 hours**

- **Team Roles**

- Daniel - Scrum Master, Developer
  - Madeline - Developer
  - Kyle - Project Owner, Developer
  - Bowen - Developer
- **Initial Task Assignment**
  - Daniel - initialize git repository, learn web2py
  - Madeline - User Story 3, Task 3 (Come up with algorithm for gaps)
  - Kyle - Create Forms to Accept Schedule Info
  - Bowen - User Story 1, Learn web2py
- **SCRUM TIMES (Weekly)**
  - Tuesday 5:00pm-6:30pm
  - Thursday 5:00pm-6:30pm
  - Sunday 1:00pm-2:30pm
- **Scrum Board:** <https://trello.com/b/mdhNJZtT/board>
- **Burndown Chart:** See 'sprint1burndown' in this directory!