

gapSort

SPRINT 1 PLAN

COMPLETION DATE: 10/10/16

REVISION NUMBER: 0

REVISION DATE: 10/3/2016

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 create a group and add users to it (8 story points)
 - Task 1 - Make controller functions to handle group/user data (4)
 - Task 2 - Make a views that accept group/user data(3)
 - **Total Time: 6 hours**
 - USER STORY 5: "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 6: "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 7: "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!