**Sprint Planning**

Goal: Working, low-level front end of one of the two APIs with a single feature implemented to demonstrate limited functionality

To do:

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| Research coding languages |
| Develop low level APIs |
| Perform rudimentary tests on simple functionality |
| Provide a basis for future sprints to build on |

Product Backlog items for the sprint:

C3, C8, C9, E1, E5, E6

Plan:

Focus on preliminary non code/documentation-based tasks first to set groundwork to start coding. Due to time pressure and lack of prior knowledge\*, skill development and product development must be done simultaneously. Tasks are split into front end, back end and tests. Front end will require more focus; thus it needs to be split into sub tasks and delegated to multiple group members. Back end can be hard coded for this sprint and tests will be very basic; limited by the goals of the sprint. Thus, if they are completed early, front end will be atomically broken down even further to allow more team members to assist.

Initial delegation after documentation tasks:

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| Duncan – Test Cases/Unit Tests |
| Saad – Back end (Can hard code) |
| Tharvind/Mohammed/Thien – Split focuses on front end |

Sprint Backlog (Total Effort = 80)

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| Item | Priority | Effort |
| Develop alpha version of Event API (Ready page with button for creating event) | 1 | 10 |
| Develop a button for the Event API for registering for an event (Clicking on it simply changes the state) | 3 | 8 |
| Update Sprint Retro notes for sprint 1 | 2 | 4 |
| Document unit tests for sprint 1 | 3 | 5 |
| Login authentication (General for both APIs) | 3 | 3 |
| Update sprint burn-down chart for sprint 1 | 5 | 3 |
| Develop alpha version of Calendar API month view format | 1 | 10 |
| Develop toggle-able month view (Switch between months) | 2 | 8 |
| Write test cases | 2 | 5 |
| Develop functionality to the button to create an event for Calendar API(No event details for now) | 1 | 8 |
| Write unit tests for sprint 1 | 2 | 10 |
| Update Scrum Meeting Minutes for sprint 1 | 5 | 1 |
| Integrate Front end and Back end of 1 API | 2 | 9 |