**Sprint Planning**

Goal: Completion of intended features for Calendar API. Concluding the incomplete sprint items from sprint 1. Focusing on the back end of the Calendar API in order to allow proper unit tests to be developed, as well as integration with the front end. A second API, initially Events API but discussed and changed to Central Authentication API.

To do:

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| Back end of Calendar API |
| More Calendar API features |
| Start Central Authentication API front end while waiting for calendar components |
| Provide a basis for future sprints to build on |
| Develop higher level unit tests for the actual objects |
| Learn about Maven, Travis etc. |

Product Backlog items for the sprint:

C4, C5, C6, C7, A1, A2, A3, A4, A5, A6, A7

Plan:

Atomically divide the tasks as much as possible to allow multiple people to work on a single area (E.g. rather than passing the task of API A’s front end, break it down into API A task 1, task 2 etc.). Organise meet ups between members with said tasks so they can assist one another as well as progress in their own task

Initial delegation after documentation tasks:

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| Duncan – Sprint 2 documentation, test cases/unit tests, adding API front end features |
| Saad – Portions of the backend code (Tasks split with Tharvind and delegated) |
| Tharvind – Portions of the backend code (Tasks split with Saad and delegated) |
| Mohammed – Front end of second API (Central Authentication) |
| Thien - |

Sprint Backlog (Total Effort = 80)

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| Item | Priority | Effort |
| Integrate Front end and Back end of both APIs | 2 | 8 |
| Calendar API: Add event to calendar date | 3 | 2 |
| Calendar API: Set calendar event details | 4 | 4 |
| Central Authentication API: Recover password | 4 | 3 |
| Calendar API: Develop further test cases when back end code is available | 4 | 3 |
| Calendar API: Develop further unit tests when back end code is available | 4 | 5 |
| Calendar API: Document unit tests | 3 | 5 |
| Sprint 2 Retro | 5 | 1 |
| Central Authentication API: Register Account (And account details) | 1 | 6 |
| Central Authentication API: Develop further test cases when back end code is available | 3 | 3 |
| Back-end for Calendar API | 2 | 5 |
| Calendar API: Toggle-able Month | 2 | 3 |
| Central Authentication API user stories as backlog items | 1 | 1 |
| Calendar API: Select date | 2 | 3 |
| Central Authentication API definition of dones | 2 | 1 |
| Calendar API: Change Month | 1 | 3 |
| Central Authentication API: Caps lock Error message for entering password | 3 | 2 |
| Calendar API: current date highlighted | 3 | 3 |
| Central Authentication user story templates | 1 | 1 |
| Calendar API: default view, month view | 1 | 3 |
| Central Authentication API: Log into account | 1 | 3 |