Semester 2 Plan

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| --- | --- | --- | --- |
| Week | Tasks | User Stories | Estimate |
| 17/01 | * Move work to college repo * Finalise user stories * Create semester implementation plan * Investigate solution for token query | * n/a | * <1 * 2 * 1 * 2   = 5/6 hours |
| 24/01 | * Create frontend mockup with registration/login with Firebase(Spotify Auth) * Implement recommendation algorithm for songs and artists * Implement access token solution | * "As user I want to register with Spotifriend so I can create an account" * "As user I want to login So I can use the application" * "As music listener I want to get recommendations from friends account So I can listen to similar music" | * 3 * 2 * 2   = 7 hours |
| 31/01 | * Complete workable frontend demo * Begin integrating frontend and backend * ~~Testing~~ (postponed) * Thesis work (Ch 3 planning) | * "As user I want to display my top 5 tracks on my account So I can interact with other users" * "As user I want to display my top 5 artists on my account So I can interact with other users" * "As music listener I want to see my top 50 most played artists So I can gain insight into my listening history" * "As music listener I want to see my top 50 most played tracks So I can gain insight into my listening history" * "As music listener I want to get recommendations from friends account So I can listen to similar music" (this working for current user at this stage) | * 5 * 2 * 2   = 9 hours |
| 07/02  \*DEMO\*  At this point I would like to have an app where a user can:   * login/register, authenticate their account with Spotify * retrieve their top 10 songs and artists within the app * generate recommendations based on their own listening history | * Implement searching for username and adding another user * Get recommendations working for other users * Finalise frontend * Prepare presentation for demo (tidy up project this far) | * "As music listener I want to add other users as friends So I can interact with their account" * "As user I want to remove users from my friends So I can unfriend users" * "As music listener I want to view friend's top 5 stats So I can compare our listening habits" * "As music listener I want to get recommendations from friends account So I can listen to similar music" (this working for other users at this stage) | * 2 * 4 * 2   = 8 hours |
| 14/02 | * Work on ‘friendship insights’ (statistics between two users) * Work on any outstanding (required) functionality * User acceptance testing |  |  |
| 21/02 | * Implement data visualisation for users listening history (larger scale, maybe using drilldowns) * Investigate the viability of using Firebase (GeoFire) to ‘scan’ for nearby users |  |  |
| 28/02 | * Investigate/work on outstanding desired functionality (collab playlists, like/hide songs, play song clip, social media sharing…) |  |  |
| 07/03 |  |  |  |
| 14/03 |  |  |  |
| 21/03 |  |  |  |
| 28/03  \*FINAL DEMO\* | * Complete thesis draft |  |  |