ADHD Task Manager

LCAM Iteration Plan 3

# 1. Key milestones

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Iteration starts | 8/05/2023 |
| Develop Reward Logic | 14/05/2023 |
| Develop User Authentication with Firebase | 14/05/2023 |
| Integrate Firebase for Leaderboard Table | 19/05/2023 |
| Develop Opt in/out of Leaderboard. | 19/05/2023 |
| Develop push notification settings | 19/05/2023 |
| Integrate SQLCipher to encrypt and protect local SQLite Database | 19/05/2023 |
| FAT for all functionality added to the application during the iteration | 20/05/2023 |
| Fix bugs found during FAT | 21/05/2023 |
| Review | 21/05/2023 |
| Iteration stops | 21/05/2023 |

# 2. Objective’s and Completion Criteria

**Objective 1:** Develop Rewards Logic

**Criteria:** This would mean deciding how the user is rewarded by the system per task completed, logging in, interacting with the app. Maybe a motivation points from friends.

**Objective 2:** Develop User Authentication with Firebase   
 **Criteria:** Created a User object. Authenticate user with username and password. Ensure the user can only see their data.

**Objective 3:** Integrate Firebase for Leaderboard Table  
 **Criteria:** A completed Leaderboard table where user objects would be ranked on rewards earned for that week.

**Objective 4:** Develop opt in/out of Leaderboard  
 **Criteria:** I think this means if a user wants leaderboard notifications. A user will always be on the leaderboard without them knowing or not. Develop Notifications for Leaderboard

**Objective 5:** Develop push notification Settings  
 **Criteria:** create notification settings so that users can customize the kind of notifications and how often they want to see them.

**Objective 6:** Integrate SQLCipher to encrypt and Protext local SQLite Database  
 **Criteria:** Secure Databases with security protocols.

**Objective 7:** Develop FAT’s for previous iteration’s   
 **Criteria:** Comprehensive FAT for all functionality in the application to date, and a detailed report outlining any bugs found, with information on how to reproduce the bug so that it can be fixed.

**Objective 8:** Fix bugs found during FAT  
 **Criteria:** Fix all bugs that are discovered during the FAT.

**Objective 9:** Team Review  
 **Criteria:** Team to review all the above documents for any errors or queries. Team Members are to then sign off saying they are okay to proceed.

# 3. Work Item assignments

The following Work Items will be addressed in this iteration:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Work Item ID** | **Name or key words of description** | **Outcome** | **State** | **Assigned to (name)** | **Estimated Hours** | **Hours worked** | **Estimate of hours remaining** |
| Carried Forward | | | | | | | |
| 5.1 | Develop push notifications |  | Partially complete | Corie | 2 Hours |  |  |
| 7.1 | Develop backend logic for tracking the number of task created / completed/ deleted without completing   * Last two, after group discussion, was deemed unnecessary. |  | [Complete](https://github.com/commet003/ITC303-9-Team1-Project/tree/PointsRemote/ADHDTaskManagerApp/app/src/main/java/com/csu_itc303_team1/adhdtaskmanager) | Deepak | 4 Hours | 11 Hours |  |
| 8.1 | FAT for functionality added to the application during iteration E2 |  | Incomplete | Corie | 2 Hours |  |  |
| Current | | | | | | | |
| 1.1 | Develop Rewards Logic | Reward System is implemented, code ready for review and iteration plan updates | [Complete](https://github.com/commet003/ITC303-9-Team1-Project/tree/PointsRemote/ADHDTaskManagerApp/app/src/main/java/com/csu_itc303_team1/adhdtaskmanager) | Deepak | 3 hours | 12 hours |  |
| 2.1 | Develop User Authentication with Firebase | Firebase Set up with User Object. Ready for review and iteration plan updated | Incomplete | Corie | 2 Hour |  |  |
| 3.1 | Integrate Firebase for Leaderboard Application | Leaderboard Screen with User Objects ranked on leaderboard. Code ready for review, iteration plan updated | [Complete](https://github.com/commet003/ITC303-9-Team1-Project/commit/d4e71c9051282faf5bc1b88c257d61c845bba8db) | Matt | 3 Hour | 15 Hours | 0 |
| 4.1 | Develop Opt in/out leaderboard Settings | Settings screen updated with Leaderboard settings. Code ready for review, iteration plan updated –User button is ready to be initiated, awaiting leaderboard configurations to be ready for implementation. | Partial complete- User button is ready to be initiated, awaiting leaderboard configurations to be ready for implementation. | Sam | 2 Hours | 1 Hour | 2 Hour |
| 5.1 | Develop push notification Settings | -Settings Screen Updated with Notification Setting options. Code ready for review, updated Iteration – Local notifications has been achieved.as well as a turn off setting- Would like to initiate firebase for notifications upon closing of app.  - Both 4.1 and 5.1 have been compared and merged from current testing into appropriate branch. | [Complete](https://github.com/commet003/ITC303-9-Team1-Project/tree/feature/iteration2-E2/1.1-6.1-Timer-database) | Sam | 2 Hours | 7 Hours |  |
| 6.1 | Integrate SQLCipher to encrypt and Protect local SQLite Database | The local Room SQLite database is now encrypted. | [Complete](https://github.com/commet003/ITC303-9-Team1-Project/commit/4d861f0584b89f543fc9a7cbb0ec278a9b44696a) | Corie | 2 Hours | 1 ½ Hours | ½ Hour |
| 7.1 | Develop FAT’s from previous Development | Create and carry out Functional Acceptance Tests on code form previous iterations. Ready for Review, updated iteration plan | Incomplete | Matt | 4 Hours |  |  |
| 8.1 | Fix bugs found during FAT | Fixed bugs during Review, update code for further review, update iteration plan | Incomplete | Matt | 1 Hours |  |  |
| 9.1 | Review |  | Incomplete | All | 1 hour |  |  |