

**Sprint Planning Document (Sprint 1)**

**Sprint Goal Backlog (Sprint 1)**

February 2nd - February 23 2021

{Team Member Names}

**High-level Project Overview**

**Project Mission:**

* BookThinkers is committed to providing a fun, social experience where readers can retain and implement more information from the books they love.

**Problems We Are Solving:**

* Readers are unorganized and don’t have a standardized way to store their notes.
* Readers consume amazing books but fail to remember their biggest takeaways.
* Readers feel “lonely” and as though they are the only ones in their network who read.

**Project Overview (High-Level Features):**

* **Website and iOS Application:**
  + **Sign-in/up:** Users should be able to sign in with email/password or Google. Profile creation and customization.
  + **Profile:** Should display user’s public information and badges.
  + **Community:** Users should be able to follow/unfollow other users, and users can view the bookshelves of other users.
  + **Activity Feed:** Home-screen is a feed of books and activity from accounts the user is following.
  + **Bookshelf**: Users should be able to track their reading and wish list.
  + **Logging a Finished Book:** Users should be able to add information for a book they have finished (finished date, rating, reading method, book notes, and reminders).
  + **Summaries:** Users should be able to add summaries of books they read.
  + **Reminders:** Users should be able to choose for the app to periodically show users [highlights|summaries] of books that they have read to aid in retention. Users can customize the frequency of these summaries.
  + **Gamification:** Users should earn digital badges based on completing reading challenges. (A sales badge could be earned by reading 3 sales books). These would be displayed on a user’s profile.
  + **Payment:** Stripe integration for monthly/yearly subscription payments to access premium features.
* **Admin Dashboard**
  + CRUD Dashboard for non-technical users within BookThinkers organization to be able to create digital badges and moderate problematic users.
* **Backend Services**
  + **Realtime Database**: Data for users, books, messages, etc.
  + **Hosting:** Host the web app using Firebase.
  + **Authentication:** Use Firebase Authentication for sign in/up.

**Sprint 1 Planning**

**Sprint 1 Goals:**

1. **Research the tools to be used in this project.**
2. **Setup the Firebase hosting.**
3. **Allow a user to sign in with Google.**
4. **Setup the Firebase authentication.**
5. **Setup the Firebase Realtime Database.**
6. **Setup Firebase Cloud Functions.**
7. **Allow a user to sign in/up with email and password.**

**Sprint 1 Deliverables:**

* **Research the tools to be used in this project:**
  + **Assigned:** {Team Member Name(s)}
  + Research and read through all of the necessary documentation for the tools to be used throughout the project.
* **Setup the Firebase hosting:**
  + **Assigned:** {Team Member Name(s)}
  + Setup the hosting for the web app.
  + Deploy the web app to the Firebase hosting.
* **Allow a user to sign in/up with Google:**
  + **Assigned:** {Team Member Name(s)}
  + Build the sign in/up form for the web app and the mobile app to sign in/up with Google.
* **Setup the Firebase authentication**
  + **Assigned:** {Team Member Name(s)}
  + Handle the initial Firebase setup for authentication for both the web app and the mobile app.
* **Setup the Firebase Realtime Database**
  + **Assigned:** {Team Member Name(s)}
  + Install the necessary libraries for the web and the mobile app to be able to use the Firebase database.
  + Define the security rules to be used in the database.
  + Write unit tests to validate the security rules.
* **Setup Firebase Cloud Functions**
  + **Assigned:** {Team Member Name(s)}
  + Build out the necessary Cloud Functions to respond to database writes (i.e. update follower count when someone follows a user).
  + Write unit tests to validate the Cloud Functions.
* **Allow a user to sign in/up with email and password**
  + **Assigned:** {Team Member Name(s)}
  + Build the sign in/up form for the web app and the mobile app to sign in/up with email and password.