

**Diverse Makers**

**Alpha Prototype Demo**

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**Overview**

In this document, we outline the key use cases and user flows for our application, providing a step by step demonstration of the product “in action” as envisioned during the design phase

**TEAM: Diverse Makers**

**Overview:** The purpose of the Alpha Prototype Demo is to clearly demonstrate the extend to which all core user flows envisioned for the product are supported by the current implementation. The flow of the demo is very natural: you simply introduce each of the major usage scenarios, and then follow through each of them, just as an end-user would in using the product. Grading is based on how completely the current product supports all key functional aspects within a coherent, realistic user flow. Interface refinement, clunkiness, and aesthetics should be ignored for now; the focus is simply on functional ability to complete the user flow.

This template has been fleshed out by the team, and is pending approval by our CS team mentor, which we will bring to the demo as a grading sheet.

### Overview of major product use cases

Based on the Requirements document and subsequent development discussions with your client and mentor, briefly describe each of the key use cases for your product:

**UC1: User Account Creation and Management:** A new user will sign up for an account, login, and manage their profile settings, including accessibility preferences.

**UC2: Browsing and Interacting with STEM Resources:** A user will search for, view, and interact with STEM resources for a project that was uploaded by a makerspace.

**UC3: Connecting with a Local Makerspace:** A user will discover a nearby makerspace, and view their profile.

### User Flows: Detailed walk-through for each use case:

In this section, we outline the demonstrations of each use case that we have prepared, giving a step-by-step outline of the user flow that would be followed by a real user for that use case.

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**Use case 1: User Account Creation and Management**

User Flow: Step by step overview of user interactions with product

1. User opens the app and selects “Sign Up”
2. User enters their email address and password
3. User logs in to the app
4. User navigates to the profile settings
5. User adjusts accessibility settings (font size and high contrast)
6. Changes are saved and the user returns to the home screen

Evaluation and Comments:

* Convincingly demo’d each of listed challenges?
* Other evaluative comments:

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**Use Case 2: Browsing and Interacting with STEM Resources**

User Flow: Step by step overview of user interactions with product

1. User logs into the app
2. User navigates to the home screen showing the different STEM projects
3. User selects a project to view the details
4. User interacts with the content by scrolling through the page and viewing the content
5. User navigates back to the home screen

Evaluation and Comments:

* Convincingly demo’d each of listed challenges?
* Other evaluative comments:

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**Use Case 3: Connecting with a Local Makerspace**

User Flow: Step by step overview of user interactions with product

1. User navigates to the “Makerspaces” tab on the home screen
2. App displays nearby makerspaces based on the user’s location
3. User selects a makerspace to view its profile
4. User browses the projects that were uploaded by the makerspace

Evaluation and Comments:

* Convincingly demo’d each of listed challenges?
* Other evaluative comments:

### Known short-comings: Functionality still deficient/missing:

* If there were challenges you listed earlier that were *not* covered by a demo, list here. This will hopefully be a short list…but better to be clear about where you are. If you have items here, you could list (if applicable) any pending plans/schedule to get this implemented.
  + The messaging system which users and makerspaces can use to chat.