



Computer Science Club

Evergreen Valley College

Official Document

Project #1: UI/UX (User Interface/Experience)

Instructions

Members will utilize Figma or another platform to create visually appealing UI designs for a mobile or web application.

Members may work individually or in teams of up to 2 to complete their designs.

Upon completion of the project, members will be expected to submit a project report. Please refer to the **Submissions** section for more information.

Please also make sure to read the **Requirements** sections for details on what is expected of the final product for each skill level.

Tentative project schedule

- Week 1: Introduction, designing, & implementing (Sept. 12 - Sept. 19)
- Week 2: Peer reviews, finalizing, & submitting (Sept. 19 - Sept. 26)

Resources

- [9/12 Meeting Slides](#)
- 9/19 Meeting Slides (tbd)

- [Introduction to Figma | Designlab](#)
- [Figma UI Design Tutorial \(24 minutes\) - YouTube](#)

- [Popular Figma Templates](#)
- [15+ Free Mobile App Design Templates \(Figma\)](#)

- [Figma2Flutter plugin](#)
- [Figma to Code \(HTML, Tailwind, Flutter, SwiftUI\) plugin](#)

Beginner Requirements

1. Must have at least 4 pages
 - a. At least 3 pages must not be empty, filler, or decoration pages
2. Must have at least 1 component
 - a. Component templates must not be exact copies–change them a little!
 - b. Components must serve some functional purpose other than for decoration
3. Must utilize proper UI layouts (items must not be misaligned or poorly scaled)
4. Must have a consistent theme
5. Must not have any significant design errors

➤ **If an template was used or recreated, it must not be an exact copy.**

- a. At least **10** minor modifications are required
 - i. Valid modifications may include:
 1. Changes to the UI's theme/colors
 2. Modifying widget layouts/positions
 3. Adding additional pages
 4. Adding additional basic items
 - Examples: A button meant to take you to another page, adding a splash screen or logo, etc.
 - Adding a navigation bar, sidebar, or other toolbar
 5. Adding additional widgets or components
 - Each item will count as 1 modification
 - The item must serve some purpose, not simply be there for the sake of fulfilling the requirements
- Members may ask the Director of Projects & Resources if they have any doubts as to whether any modification not listed above is considered valid.

Intermediate Requirements

1. All beginner requirements must be met
 2. Must have at least 5 fully pages
 - a. At least 4 pages must not be empty, filler, or decoration pages
 3. Must have at least 2 components
 - a. At least one must be a custom-made functional component
 - b. Templates must not be exact copies
- If an application template was used, it must have at least **10** minor modifications in addition to **3** significant modifications.
- i. Valid significant modifications may include:
 1. Changes/Additions to the intended functionality of the application
 - Example: A template for a “to-do list” mobile application already has a page that lets users add/modify tasks, but none for deleting tasks. Designing a page or component for users to delete tasks would count as a valid modification.
 2. Adding animations or other aesthetic features
- Members may ask the Director of Projects & Resources or another officer if they have any doubts as to whether any modification not listed above is considered valid.

Advanced Requirements

1. All beginner & intermediate requirements must be met
2. Templates may be used for reference, but the UI itself must be significantly modified or originally designed.
3. Must have at least 10 functional pages and/or components
 - a. There must be at least 5 pages and 2 components as per the intermediate requirements.
 - b. You may use any further combination to fulfill the 10-item requirement.
4. Must include a wireframe indicating the intended functionalities of the design

Bonus Challenge

- Implement your UI design into a fully functional application using FlutterFlow or another compatible app development platform.
- This challenge is **optional** but **strongly recommended** for all levels, as the UI design created for this project can be used for the upcoming Database project.

Submissions

This project is due on September 26, 2023 at 3:30pm. Please submit a complete project report as a **PDF file** or a **Google Docs link** via the club's Discord server. You may submit the project early for a tentative score and make revisions prior to the due date.

The report should include the following information:

1. A unique title/name for the project
2. The full names of all individuals who contributed to the project
3. Which level was selected (beginner, intermediate, advanced, challenge, etc.)
4. A basic description of the project. Below are some guiding questions.
 - What is the project? What does it do? What is its purpose?
 - What features does it have? How does it work? How was it made?
 - You may record a video and attach a YouTube link to the report as a visual demonstration of how your project works
 - You may also include images or GIFs, but you must provide some explanation for each attachment if they are not self-explanatory
5. Include all of the code/resources utilized and an indication as to whether you consent to have the project submission publicly released.
 - The project's code and resources may be uploaded via GitHub or through another accessible means.

Scores will be assigned based on the following categories:

Requirements not met (0-5), Approaching standards (6-7), Adequate (8), Good (9), Excellent/All standards met (10), Outstanding/Standards exceeded (10+)