



RMIT UNIVERSITY

COSC2659|COSC2813: iOS
Development

Assignment 1 (Individual)

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Table of Contents

1. Introduction, Overview, and Context
 2. Implementation Details
 3. Design Elements and User Experience
 4. Conclusion
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Introduction, Overview, and Context

Overview of the App

FavAnime App is an innovative iOS application crafted using the SwiftUI framework, designed specifically for anime enthusiasts. The app's core functionality revolves around presenting a well-curated list of anime series that users can explore and enjoy. Its purpose is to provide a seamless and engaging platform for users to discover, learn about, and keep track of their favorite anime series.

Key Features:

- **Welcome View:** Introduction to the app with navigational options.
- **Navigation List View:** Display of anime series with search and filter capabilities.
- **Detailed View:** In-depth information about each anime series including images, descriptions, and interactive elements.

The app aims to enhance the user's experience by combining a visually appealing interface with interactive features that cater to anime fans' needs and preferences.

App Name and Logo Explanation

The application is named "Fav Anime" to reflect its personalized nature and focus on anime. Favorite is shortened to Fav to create a memorable, marketable, and catchy title that is easy to remember. The logo was designed to capture one of the many ways anime fans often consume the media, i.e through television, or screens. With many of the boxes representing different channels, all being contained inside one screen. This design choice not only makes the app immediately recognizable but it is also minimalist and not very cluttered.

Logo Design:

- **Colors:** The logo uses bright, engaging colors that looks sleek and minimalist on an iphone screen.
- **Box:** Representing the television or the PC or the phone screens that are used to consume anime.

Motivation and Inspiration

The motivation behind developing Fav Anime App stems from a deep passion for anime and a desire to create a tool that enhances the anime viewing experience. There are a lot of anime out there, as such many viewers would often want to catalogue them. The project was inspired by the need for a personalized platform where users can manage their favorite series and access detailed information in a user-friendly manner. By leveraging personal interests and technical skills, the project aims to deliver both entertainment and functionality to its users.

Implementation Details

Technical Features

1. Welcome View

Description: The welcome view serves as the entry point of the app, featuring the logo, app name, slogan, and navigational elements. It also includes an info button that reveals details about the app's author as well as other "about" details.

Implementation Details:

- **Layout:** Utilizes a vertical stack (VStack) to arrange elements such as the logo, text, and buttons.
- **Navigation:** Employs NavLink to transition to the main list view.

- **Info Button:** A button that triggers a modal sheet displaying author information, designed to provide context about the app's creator.

Details: The welcome view is implemented with a clear, user-friendly layout that sets the stage for the rest of the app. It uses a combination of SwiftUI components to ensure a smooth and engaging introduction for users.

2. Navigation List View

Description: This view showcases a list of anime series, complete with images, names, and brief descriptions. Users can search and filter the list based on their preferences.

Implementation Details:

- **List Display:** Implemented using the List view, which dynamically displays data from a JSON file.
- **Search and Filter:** Includes a search field and filtering options to help users quickly find their desired anime.
- **Data Handling:** Data is loaded from a JSON file, parsed, and displayed in a structured manner.

Details: The list view is designed to handle a large amount of data efficiently. It integrates search and filter functionality to enhance user interaction and ensure that users can easily find specific anime.

3. Detailed View

Description: Provides a comprehensive look at each anime series, including images, descriptions, review stars, etc.

Implementation Details:

- **Content Display:** Uses ScrollView to present detailed information, including images and text.
- **Review Integration:** Includes a personalized rating system to keep track of favorites in a potentially long list.
- **Interactive Elements:** Includes interactive components such as image carousels, tabs for additional information, and static review stars.

Details: The detailed view is designed to offer a rich and engaging experience, allowing users to delve into each anime series with a variety of interactive elements and comprehensive information.

Known Bugs/Problems

1. **Map Integration:** Some devices encounter issues with display due to incomplete configuration or missing data.
 2. **Search Functionality:** The search feature may not always update the list in real-time, potentially causing delays in filtering results.
 3. **Cross-Platform Issues:** Further testing is required to polish functionality of the app on all platforms.
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Design Elements and User Experience

Visual Appeal

Color Schemes:

- **Light Mode:** Features a clean, bright interface with a white background and colorful accents, designed to be easy on the eyes during daytime use.
- **Dark Mode:** Uses a darker palette to reduce eye strain in low-light conditions, providing a comfortable viewing experience at night.

Fonts: The app uses system fonts to maintain readability and consistency across different devices.

Layout: The layout is designed to be clear and intuitive, with a focus on easy navigation and a visually appealing presentation of content.

Intuitive User Interface

The user interface is crafted to be straightforward and user-friendly. Key elements include:

- **Large Buttons:** Easy to tap and navigate.
- **Clear Labels:** Informative text labels for navigation and interaction.
- **Smooth Transitions:** SwiftUI's navigation features ensure a fluid user experience.

Consistency

Uniform Design:

- **Colors:** Consistent color schemes across light and dark modes.
- **Fonts:** Uniform font usage throughout the app.
- **Imagery:** Consistent style and quality of images used.

Explanation: Consistency is maintained to ensure a cohesive user experience, making the app intuitive and easy to use.

User Needs:

- **Easy Access:** Key features and information are easily accessible.
- **Interactive Features:** Enhances engagement through interactive components.
- **Feedback Integration:** User feedback is considered for ongoing improvements.

Explanation: The design prioritizes user needs by offering a clear, interactive, and engaging interface, ensuring that users have a positive experience.

Conclusion

Reflection

Developing Fav Anime App has been a valuable learning experience, providing insights into SwiftUI and iOS development. The project successfully integrates technical skills with personal interests, resulting in a functional and engaging app for anime fans.

Potential Future Improvements

1. **Enhanced Map Integration:** Further development to improve map functionality and accuracy.
2. **Interactive Features:** Addition of interactive elements such as user ratings and reviews.
3. **User Feedback:** Implementation of a feedback system to continuously improve the app based on user input.
4. **Bug Fixes/Report Features:** Improving on current state of the app as well as planning ahead for ways to implement bug fixes and bug reports.