
CSCI342: Mobile Applications Project

Showtime: Design Document

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From:

<http://www.slideshare.net/tworiversapps/creating-apple-apps-part-four-creating-a-simple-design-document>

From a User Interface perspective

- > Purpose - purpose of a document and an overview of an app
 - > High level functional and technical requirements list
 - > Interface requirements - user interface and a description of each screen
 - > Storyboards
 - All steps completed by a user
 - System prompts and responses
 - Interactions with other applications
 - Interactions with other users
 - > Detailed Mockups
 - What content goes into what sections of the screen?
 - Define fields and field location
 - Buttons and button location
 - Images and Image location
 - Preferred color schemes
 - Other design elements
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From the presentation:

Application Definition:

Showtime

A simple personalized show and movie guide that will help you keep updated with all of your favourite shows and movies.

Features:

Search show/movie

- Add show/movie
- Remove show/movie
- Notification system to remind user when the show/movie is airing
- View show's/movie's basic information
 - > episode's or movie's overview
 - > rating, genre
 - > release date and time, runtime

The idea slide

- A long wait between new episodes or the movie release date
- Sometimes you're just too busy to remember
- Helps to decide or remind you what to watch
- Get informed about the show or the movie
 - > information such as an overview or release date and time
- Something simple without unnecessary features - easy to use

Technical challenges slide

- Finding APIs with all needed information about the movie or the show
 - > The TVDB - <http://thetvdb.com>
 - > The MovieDB - <https://www.themoviedb.org>
- Working with third party libraries

Future extensions and risks

- Social networking features
 - > share with friends
 - Storing user information on the cloud
 - > ability to synchronize user information to multiple devices
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From spec sheet:

User Interface and User Experience Design

- Should support multiple screen sizes and should contain multiple screens (View Controllers)
- Students must justify what screen sizes and resolutions they will be targeting

Students should consider the following when designing an interface:

- [Application Definition Statement](#)
- Platform consistency
- Context of when a user would use the application
- Structure of the application
- User experience and user interface design
- Feedback to the user

As part of this section, groups will be required to submit a storyboard, storyboard drafts and design explanations in a PDF document.

Use of platform/s

- Human Interface Guidelines (iOS)

<https://developer.apple.com/library/ios/documentation/userexperience/conceptual/mobilehig/Introduction/Introduction.html>

- Notes regarding application quality (based on the HIG or the Core App Quality Guidelines)

https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/MobileHIG/Branding.html#//apple_ref/doc/uid/TP40006556-CH60-SW1

Web service integration and/or implementation of similar difficulty

- Students are required to integrate with an online web service with API hooks written by themselves or by third parties
 - demonstrate that they can pull data successfully, and that their application can fail gracefully in environments where network reception may be scarce or not available
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Application Definition Statement

A simple personalized show and movie guide that will help you keep updated with all of your favourite shows and movies.

About Showtime

Showtime is an iOS application developed for anyone who is waiting for a new episode of a show or a movie to come out, and cannot afford to miss it.

It allows to create a personalized list of shows and movies, and will remind the user once the show is out with a notification. After the selected movie or show is added to the list, it's overview and basic information can be viewed.

Features

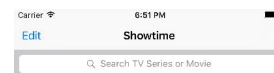
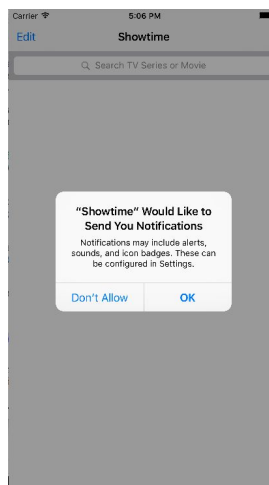
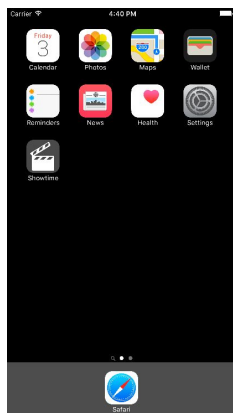
- Search for a show or a movie with a search bar.
 - While typing in the name of the movie or show, search bar will show the suggestion list based on the input.
 - Add show or a movie to the list.
 - Remove show or movie from the list.
 - Notification system to remind the user when the show or movie is airing.
 - View basic information for added show or movie:
 - Title
 - Poster
 - Overview
 - Rating
 - Genre
 - Run time
 - Additional information for the show:
 - Air date
 - Network airing the show
 - Number of seasons
 - Last episode aired
 - Next episode air date
 - Additional information for the movie:
 - Release date
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User experience and user interface design

User interaction cases and Application behaviour

1. User opens an application

- a. **Case 1:** If the application doesn't have an information about the push notifications yet, it will ask the permission from the user to send notifications. After notification information alert, application takes user to the initial screen.



- b. **Case 2:** Initial screen shown. If user has no added shows or movies yet, the list in initial screen will be empty. Otherwise, the application will load user's show and movie list.

