

**RMIT University**

**School of Science & Technology**

**COSC2659 iOS Development**



# **Top US Universities Application**

**Assignment 1**

**Documentation File**

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## 1. Introduction

TopUSUniversities app presents a list of top US universities with their essential information, images and videos together.

## 2. Motivation

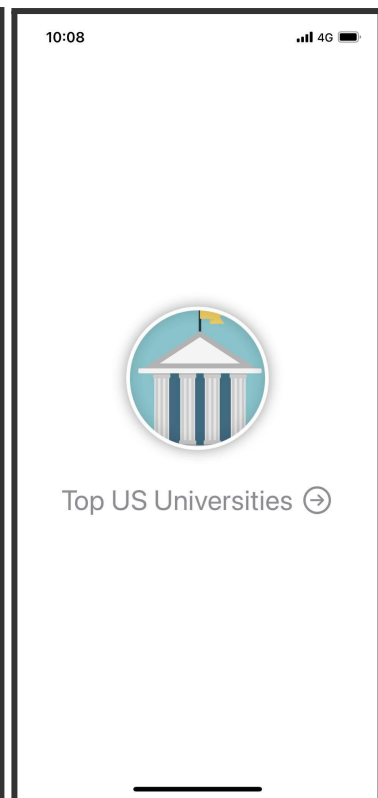
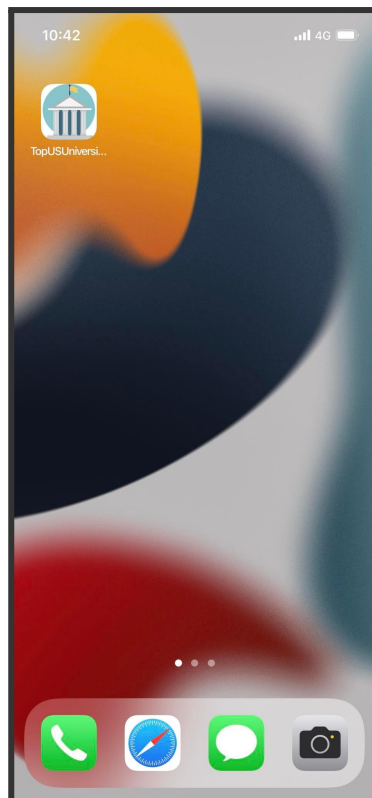
Top universities with high academic standards, state-of-the-art facilities, excellent communities, and people are dream schools for many students like me. However, browsing countless rankings and official websites to find the right universities might be daunting and tedious. This app presents a list of top universities with some essential information and images as a point of reference to reduce the burden of starting this journey.

## 3. Instruction, Features and Screenshots

The app is all about showing a comprehensive list of top universities and allows users to view the essential information of them. At the same time, users can search, bookmark their universities of interest and perform some actions like make phone calls and open google maps. Following is the list of features together with instruction and screenshots.

### Landing Page

After the app icon appears, users can press the arrow button to start using the app. This page only appears the first time users reopen the app after closing it.

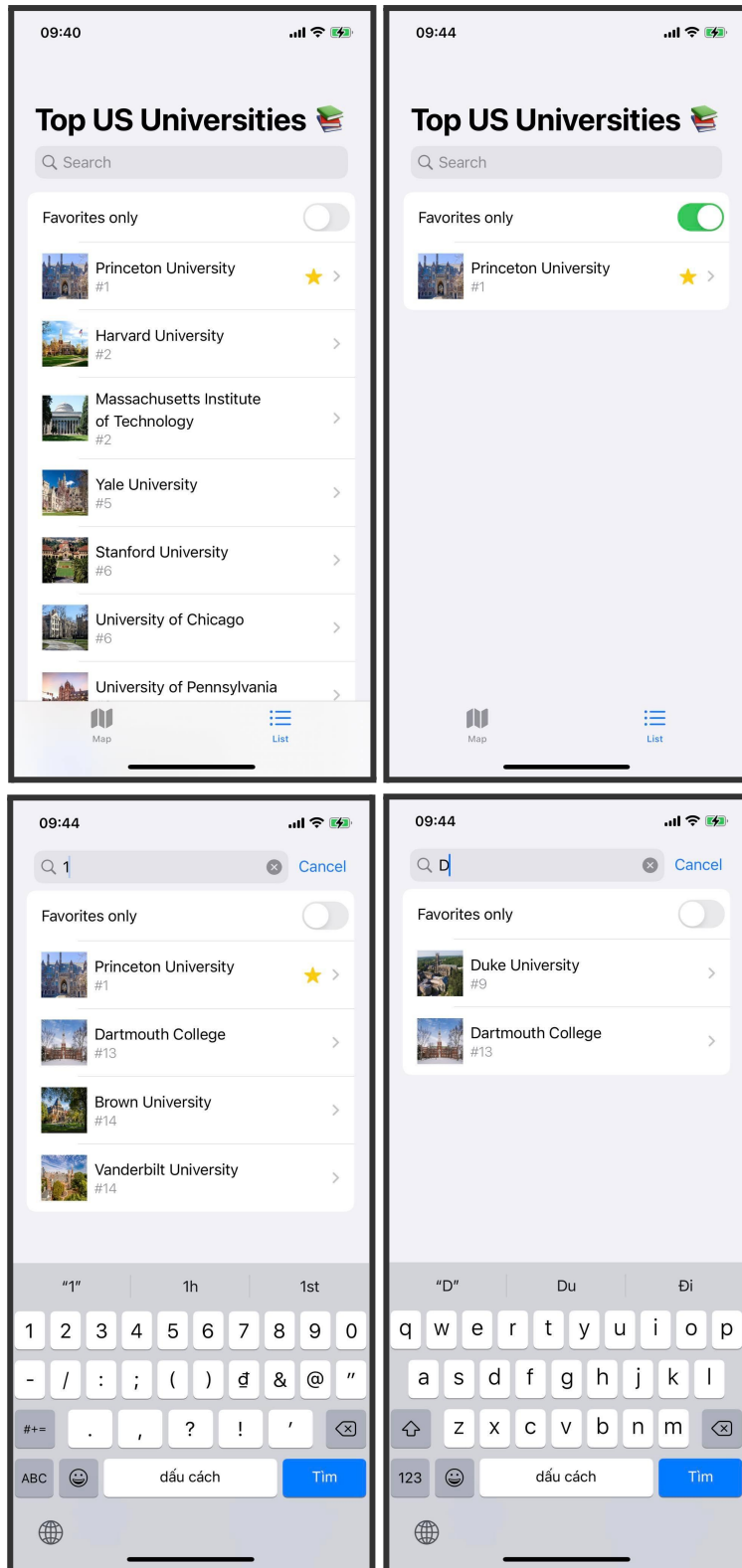


## Navigation List View

Users can scroll through the list of universities with their name, rank and bookmark icon.

In this page, users can:

- Show bookmarked universities only.
- Search universities by name and rating.
- Tap a university to open its detailed view.
- Switch to Map view by tapping the map button at the bottom of the view.



## Map View

Map view with markers of all available universities.

Users can zoom in and out to see any location.

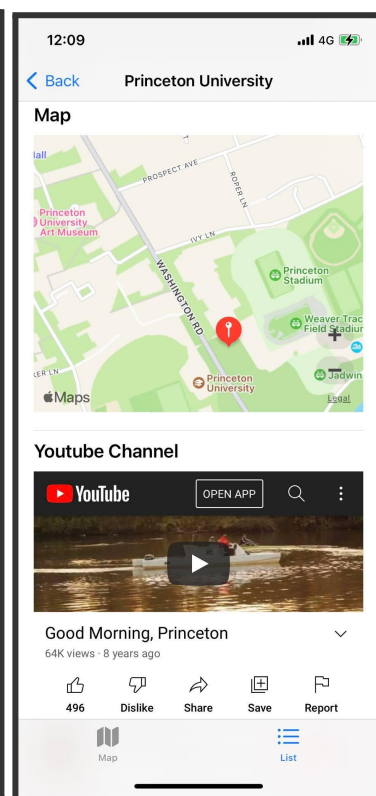
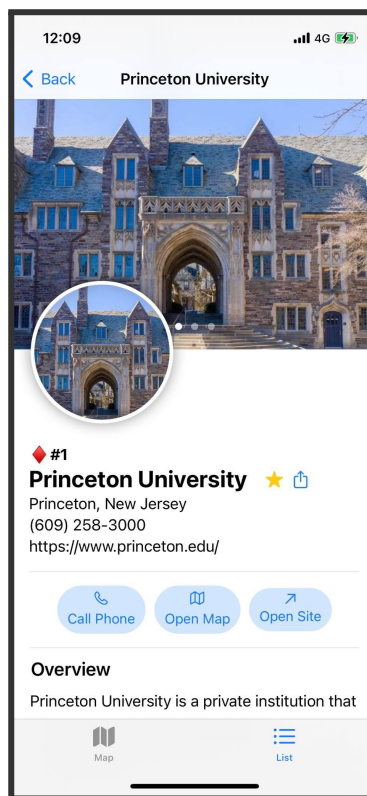


## University Detail View

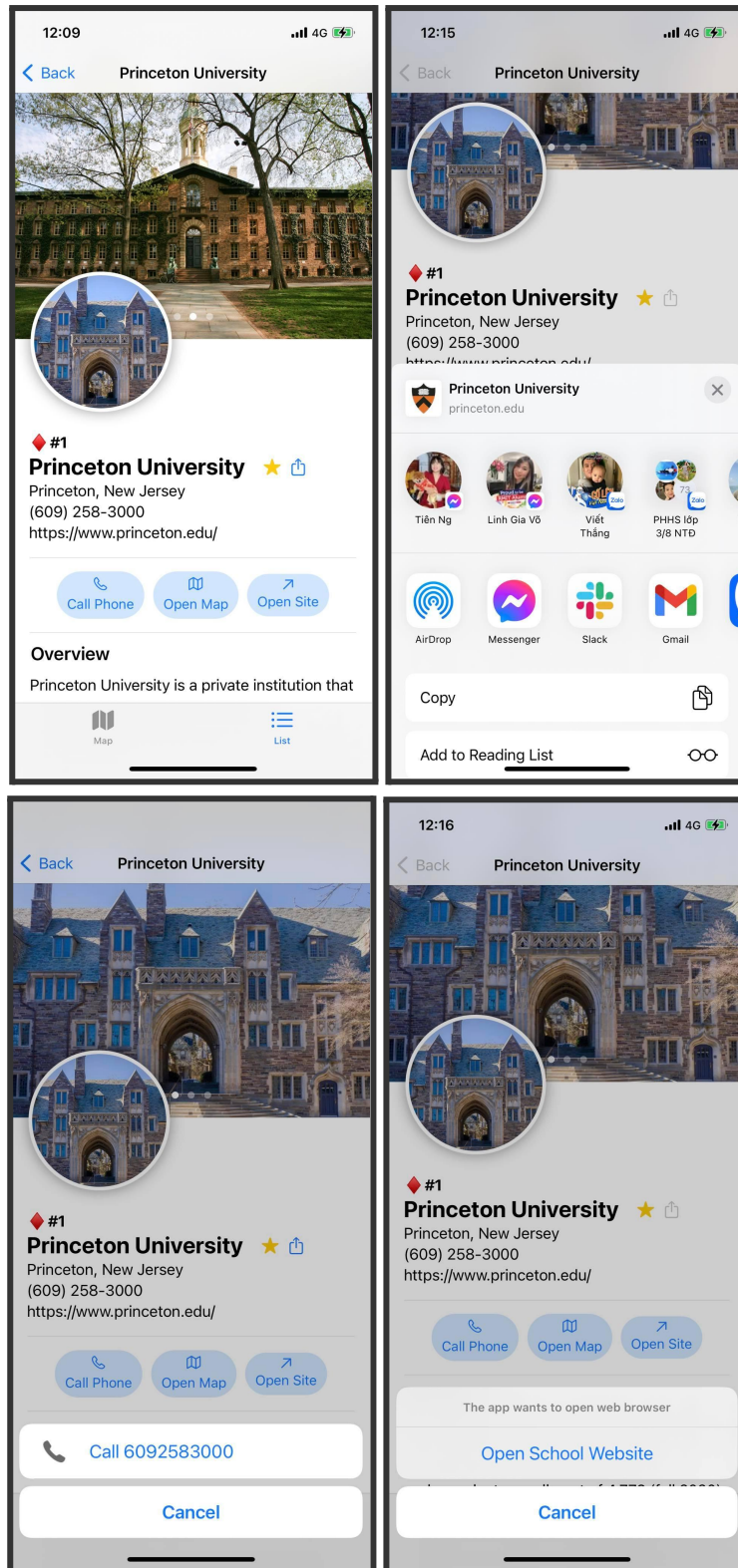
The available information about the university includes name, rating, address, phone, website, image slides, description, map view, youtube channel.

In this page, users can:

- Tap the star next to the name to bookmark the university.
- Swipe the image sliders to view different images at the top of the view.



- Share the university official link.
- Make a phone call to the university.
- Open the google map in the web browser.
- Open the official website in the web browser.
- Watch the embedded youtube video.
- Zoom in and out, moving the map around.



#### 4. Demo link:

<https://drive.google.com/file/d/1FRD3OxSCNT7Ns4GrIAKpHbizmbAb-fRf/view?usp=sharing>

## **5. Moving Forward**

In the future, we could consider implement the following features so that the app could be more useful:

- Allow users to input new universities.
- Allow users to take note.
- Allow users to copy information from the app.
- Allow users to create custom groups of universities.
- Allow users to create accounts to share personal reviews, rating for the universities.
- Replace hardcoded json file by calling public API if available for more universities.
- Develop map view to handle user tap action on marker annotation to open detail view.