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| Team Name Here  |
| UTSC Mobile App Sample Blueprint |
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| Team Members Names Here4/20/2012 |

*NOTICE: This document is only an example, and should only be used for reference. Each team should create their own blueprint according to their own situations. This includes target audience, features, and timelines.*

**UTSC Campus App**

This mobile application will be the official mobile application for the University of Toronto Scarborough Campus. Currently, this app is being developed for Android devices.

**Target Audience & Problems**

All of the above features help solve a variety of issues for the key users of this app: the students. Students, especially new students, are often confused about many aspects of their university career, such as finding new room numbers, staff/faculty contacts, bus schedules, and so on. The UTSC Mobile App serves as a convenient central hub for all of this information, giving students easy access to everything they need.

**Features**

It will contain 7 main features that will be listed on the main screen. These features are:

1. Bus Tracking
2. Campus Map
3. Computer Labs
4. Courses
5. Directory
6. Timetable
7. Videos

**Bus tracking**

This function tracks the expected arrival times of TTC buses in real time. The app takes information from TTC’s API and displays them to the user. Routes requested are the 38 Highland Creek (both eastbound and westbound), 95 York Mills Eastbound, and 116 Morningside Westbound. Further details of each route can be found by tapping/selecting it, where it will take the user to a display of Google Maps with each bus stop of the route overlaid.

**Campus Map**

This function will display a Google Map for the user, with campus buildings overlaid on the map. It will display the entire campus, including residence and surrounding areas. Other functions will allow the user to pinpoint his/her location via GPS and toggle building overlay on and off.

**Computer Labs**

Computer availability in the Library, IC, and BV wings will be displayed here. This function will allow users to see the number of free computers in each computer lab and room bookings in real time. The data will be taken from UTSC’s publically available databases.

**Course Descriptions**

Under this screen, users will be able to view the course descriptions of a particular. Users will have to enter the full course code, and a description will be pulled from the servers.

**Directory**

This function allows users to search for staff and faculty members by their entire/part of their name, phone number, or department. The search will generate a list of matches, after selecting one of the matches, it will take the user to a screen of the individual’s information. Source information will be pulled from UTSC’s publically available databases.

**Timetable**

The timetable allows users to find the lecture times for an individual course, and too bookmark a course into their “favorites” tab for future reference. This feature will use data services that are currently publicly available.

**Video**

A list of videos will appear after the user selects this function. Videos will all be UTSC related. Each video will take the user to an in-app browser, where the user will be watching the selected video on YouTube. The back button will take the user back to the videos menu.

**Tentative Timeline**

|  |  |
| --- | --- |
| Date | Task |
| April 30th | Finalize and submit app idea and team members |
| Month of May | First team meeting to discuss general direction of project |
| May 25th | Complete app flowchart |
| May 31st | Finish and submit the Blueprint |
| June 1st | Blueprint Due |
| June 1st - 16th | Layout of each page |
| June 17th – July 17th  | Background coding and connectivity programming |
| Week of July 16th | Prototype Demonstrations |
| July 18th – 27th | Refine design & GUI |
| July 28th – Aug 16th | Testing & fine-tuning  |
| August 17th | Final App Submission Deadline  |

Course Description

SEARCH

Booking Schedule

Search

Library

BV xxx

BV xxx

IC xxx

IC xxx

Refresh

Google Maps

Google Maps

Bus Tracking

95 – York Mills >
[time1], [time2], [time3]

38 – Highland Creek – W >
[time1], [time2], [time3]

38 – Highland Creek – E >
[time1], [time2], [time3]

116 –Morningside – W >
[time1], [time2], [time3]

Bus Tracking

Campus Map

Computer Labs

Courses

Directory

Timetable

Videos

Query...

See Page 2

Query...

Text 1

Query...

Text1

YouTube

Query...

Videos

Video 1 >

Video 2 >

Video 3 >

Video 4 >

Video 5 >

**Course 1**

Time 1 – Room 1

Time 2 – Room 2

Time 3 – Room 3

Query...

Course 1

Course 2

Course 3

Course 4

**Favourites**

Search

Text 1

Favourites

**Search**

SEARCH

Query...

Text 1

Directory

SEARCH

Bus Tracking

Campus Map

Computer Labs

Courses

Directory

Timetable

Videos

**Screenshots**

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| --- | --- | --- | --- |
| **Main Screen** | **Bus Tracking** | **Campus Map** | **Computer Labs** |
| C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0297.PNG | C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0298.PNG | C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0299.PNG | C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0300.PNG |
| **Computer Labs (Schedule)** | **Course Description** | **Directory** | **Timetable** |
| C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0301.PNG | C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0302.PNG | C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0303.PNG | C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0304.PNG |
| **Videos** |  |  |  |
| C:\Documents and Settings\Student\My Documents\UTSCapp\IMG_0305.PNG |  |  |  |