

Design Document

iHouse. Group Number 12

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Assignment 2- Requirements Document

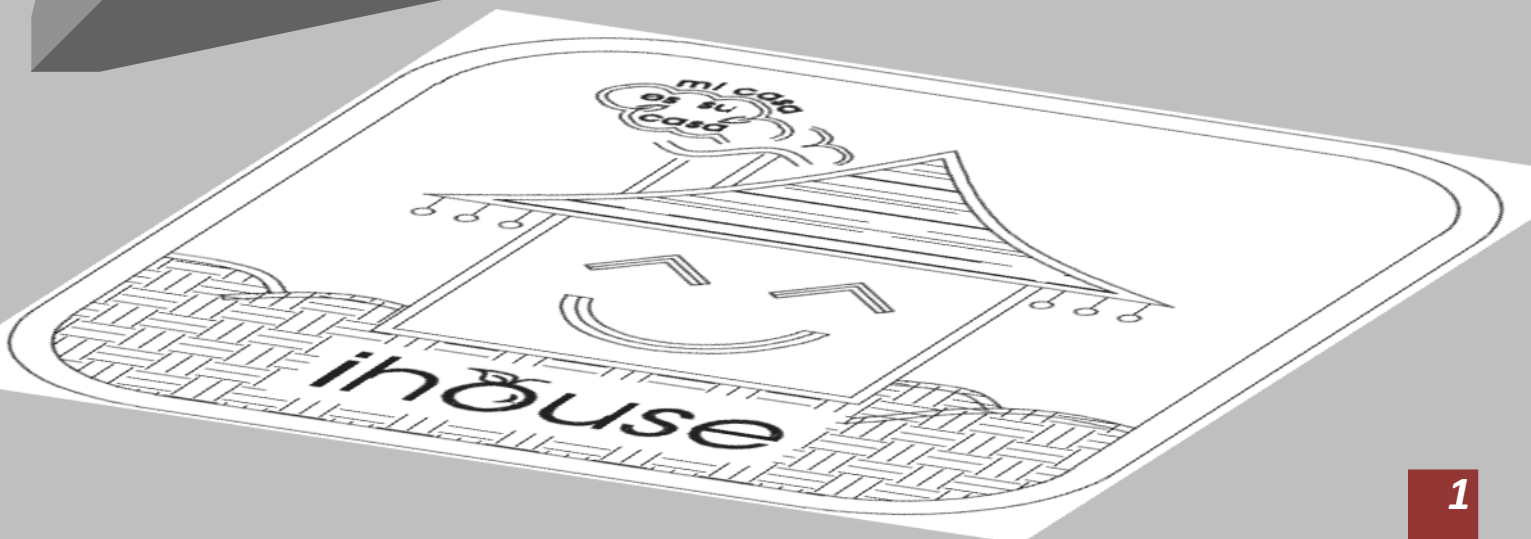
Website:

<http://www.code.google.com/p/busapp>

CMPT 275

Due: Oct 13th, 2010

Instructor: Herbert Tsang



Guidelines

1) Guidelines

i) Technical guidelines

Implementation will be done using XCode.

GUI(Graphic User Interface) will be completed using iPhone SDK.

Implementation will be done by Objective C.

UML will be produced using MS Visio.

State Diagram will be produced using MS Visio.

Documentation will be produced using Microsoft Word.

ii) Ethical or legal issues

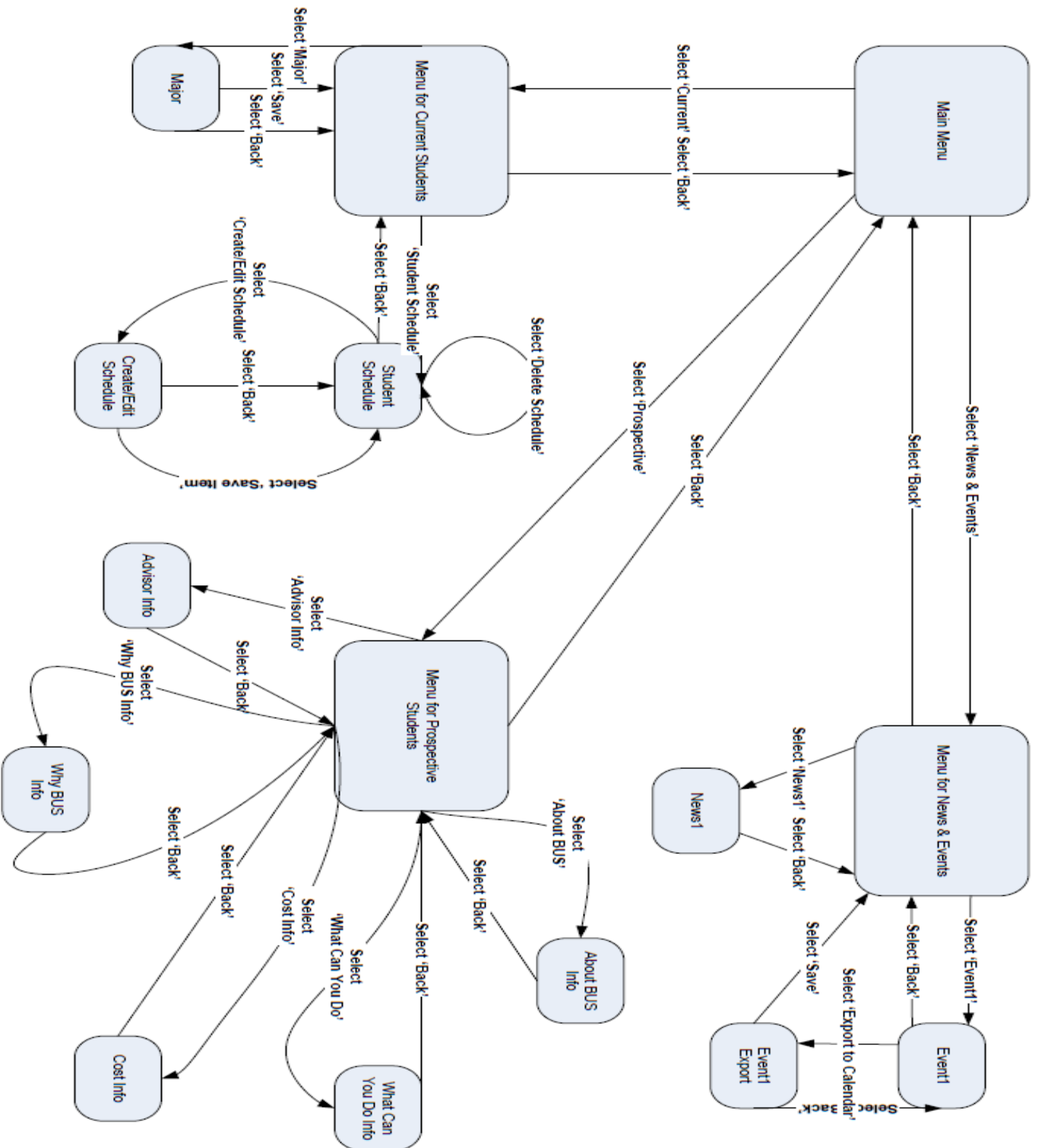
All private information will be stored in the user's device.

Implementations and documents used from a third party. With respect copyright, SFU Business App creates under open source.

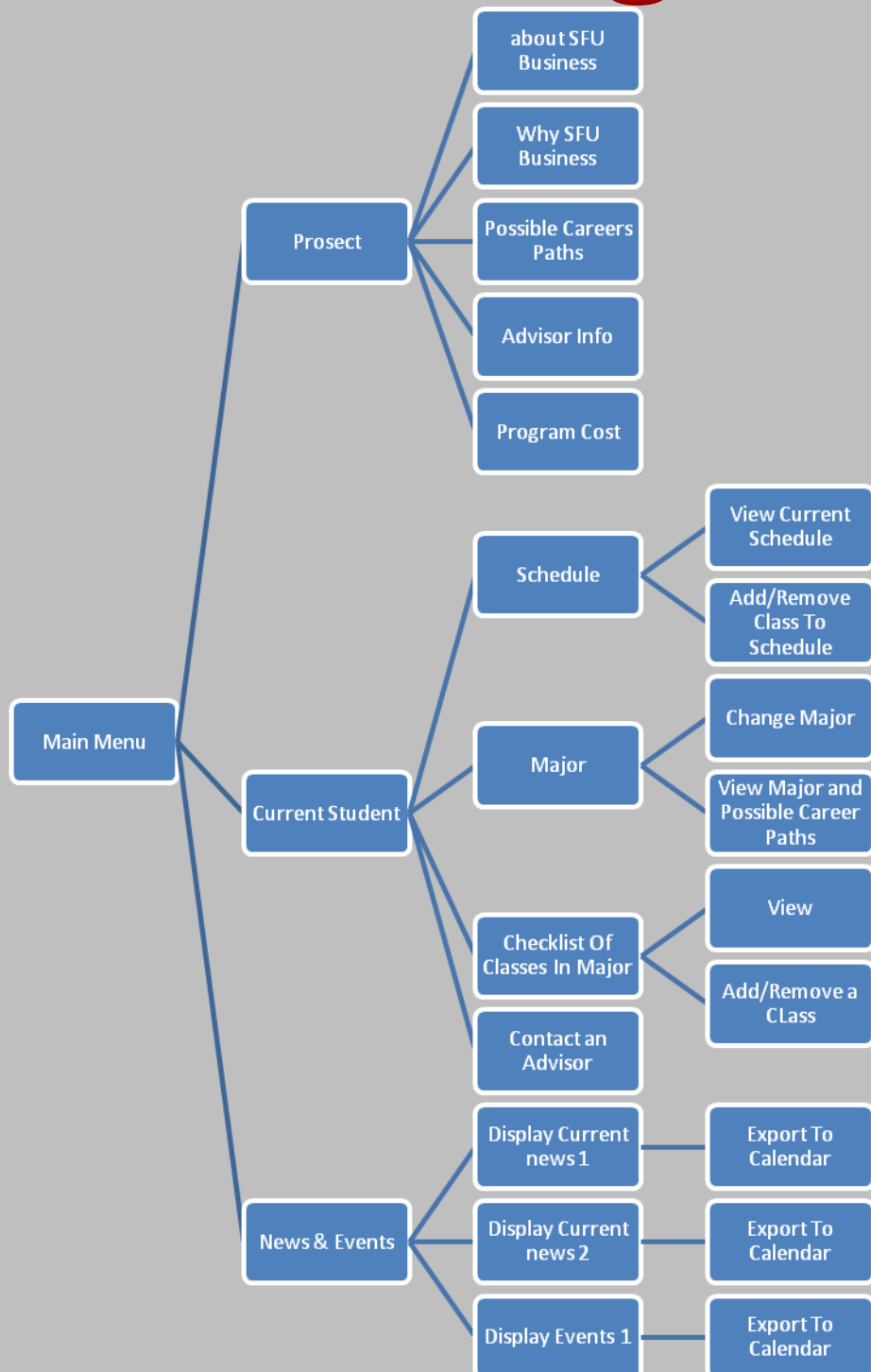
System Diagrams

Class: Main

State Diagram



Menu Tree Diagram



Data Requirements

- 1) Inputs are in the form of touch
- 2) Outputs are visual text outputs on device screen
- 3) Interaction with other systems are as follows:
 - a. Using the E-mail application on device
 - b. Using the device as a phone
 - c. Retrieving information from Simon Fraser Business Website



Feature Priority

Version 1 (highest priority) :

- Overall:
 - Main page with the three main push buttons created. Implement a previous page button and a return to home screen button as well.
- Current Student section:
 - Allow user to input their courses into a basic schedule
 - User is able to pick their major from a list
 - Course Completion Checklist: User will be able to check or uncheck their completed WQB courses, Lower Division and Upper Division courses, and any other degree requirements based on a list containing all programs offered in Business Admin.
- Prospective Student section:
 - Advisor Information, Why Bus information, Program Cost, and About Business Admin will all have their information laid out.
- News and Events:
 - Basic links will be set up

Feature Priority Cont.

Version 2 (Medium Priority):

- Overall:
 - Enhanced graphical layout
- Current Student Section:
 - An updated graphical schedule. User is also able to delete or add classes to schedule.
 - User is able to change their major from a list
 - In the checklist section, the courses only offered within their concentration will be shown
 - User is able to view possible career paths within their selected major
- Prospective Student Section:
 - User can now directly email any email address link using the built in e-mail application.
 - An iPhone user can call directly to any phone number link within the application using the call feature within the iPhone.
 - Possible Career Paths is implemented.
- News And Events:
 - RSS Feed setup to receive new events and news from SFU

Feature Priority Cont.

Version 3 (Low Priority):

- Overall:
 - Ascetically pleasing graphical user interface
- Current Student section:
 - Export student schedule to iPhone calendar application
 - The checklist section will display a progress bar of users total completion of Bachelors Degree
 - User will be able to contact an advisor directly from this page
- Prospective Student Section
 - Information updated
- News and Events:
 - A bus schedule of all the busses leaving from Simon Fraser will be implemented.