

Comp 3603 - Human Computer Interaction

Assignment 3

Keneil Spencer	816001064
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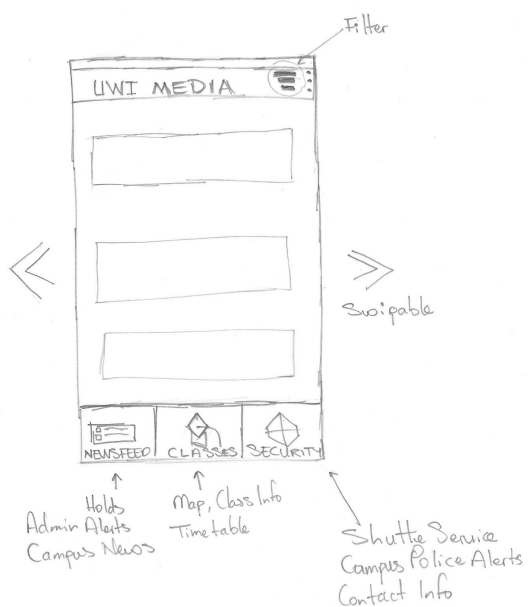
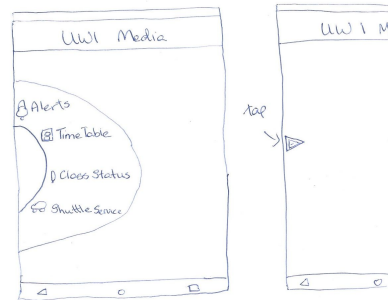
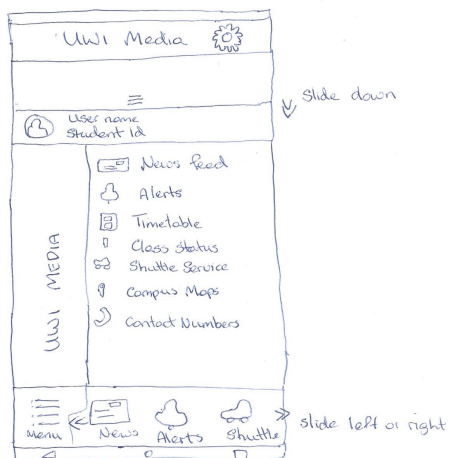
Liam Gilbert	813004117
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Sergio Mathurin	815117095
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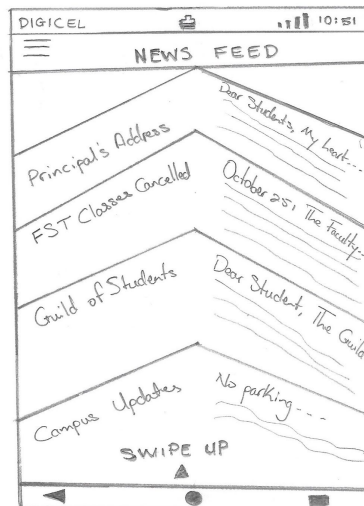
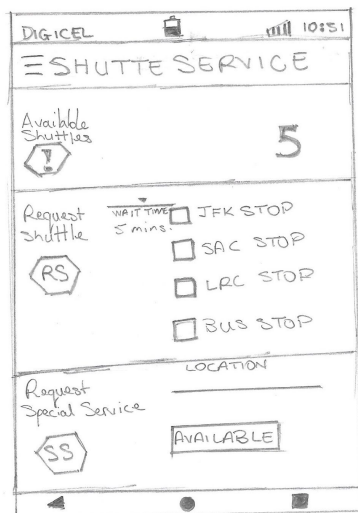
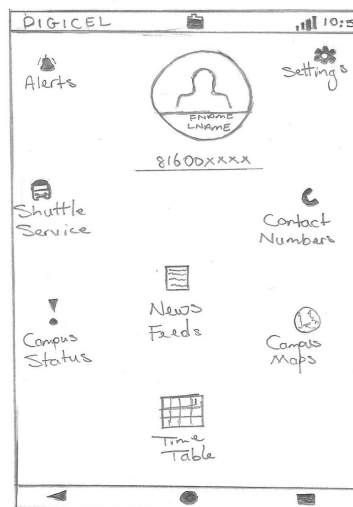
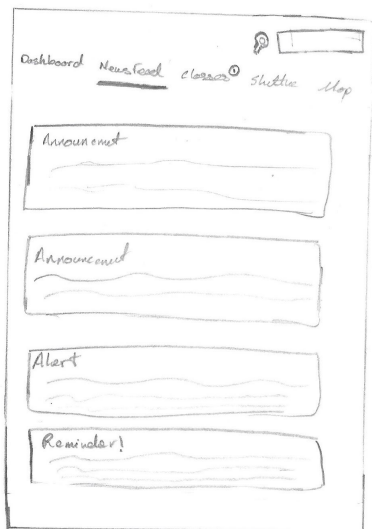
Maya Bannis	816000144
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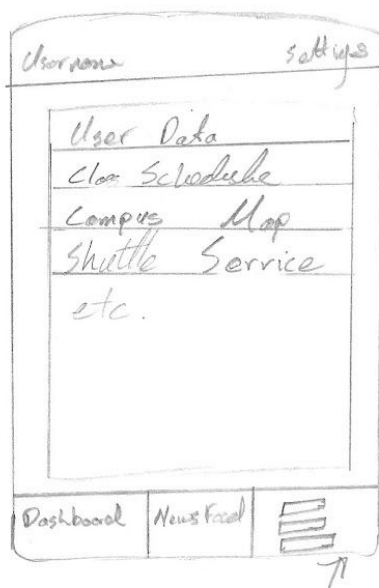
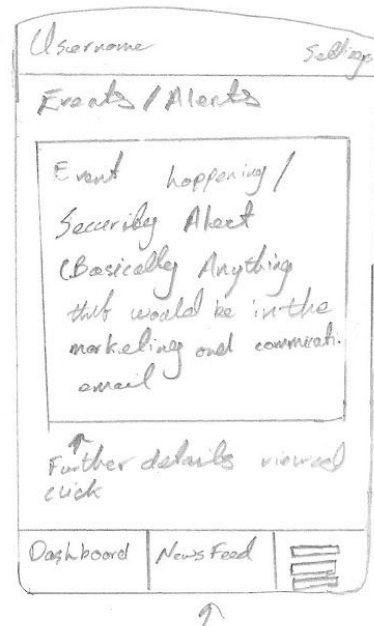
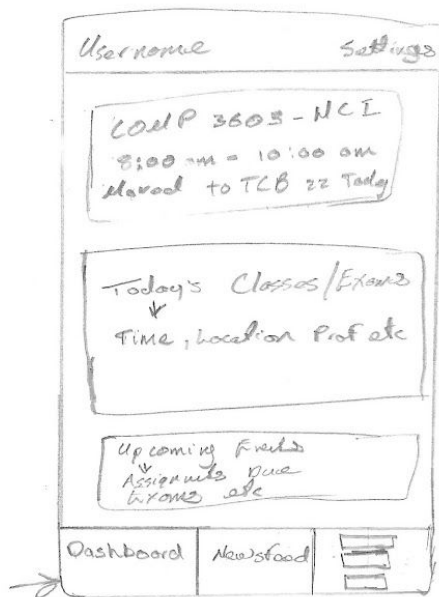
Initial designs

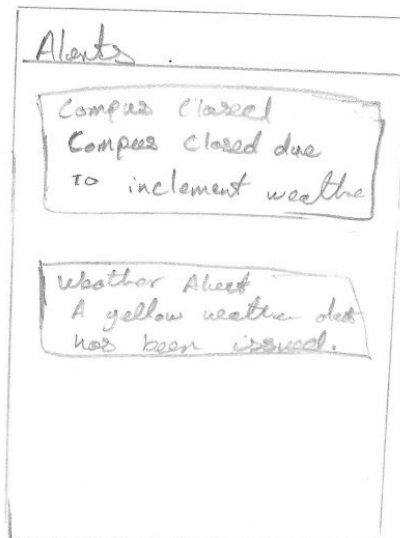
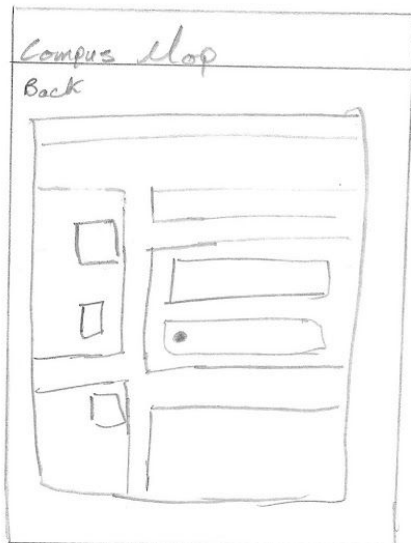
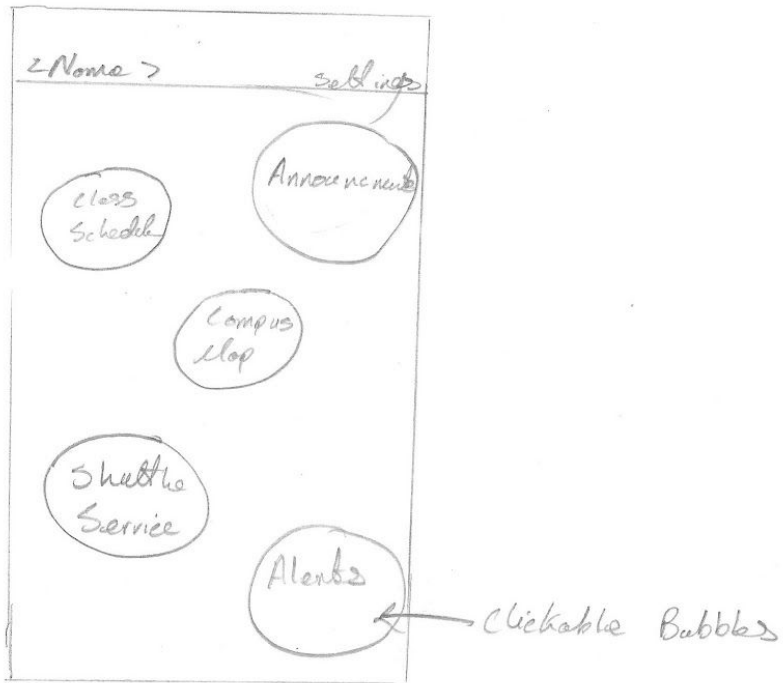
During our design brainstorming session ([See Photos Here](#)) the following sketches were created.



DIGICEL 10:51	
CLASS TIMETABLE	
Early Time Table	Weekly Time Table
Monthly Time Table	
MONDAY	
8am - 10am	5pm - 8pm
COMP 2606	MGMT 2012
TUESDAY	
12pm - 1pm	2pm - 4pm
INFO 3600	FOUN 1103
WEDNESDAY	
NONE	
THURSDAY	
8am - 9am	9am - 11am
COMP 2606	MGMT 2012
FRIDAY	
NONE	
SATURDAY	
12pm - 1pm	
FOUN 1103	







Hand-drawn mobile app screen for the Class Schedule:

Class Schedule		
Monday	Tuesday	...
COMP 700		
	COMP 1340	
MATH 3100		

02 1200

Class Status

On Schedule

Comp 3606
 Comp 3601
 Comp 3604

Cancelled

Comp 3603

Rescheduled

Math 2250

Class Status

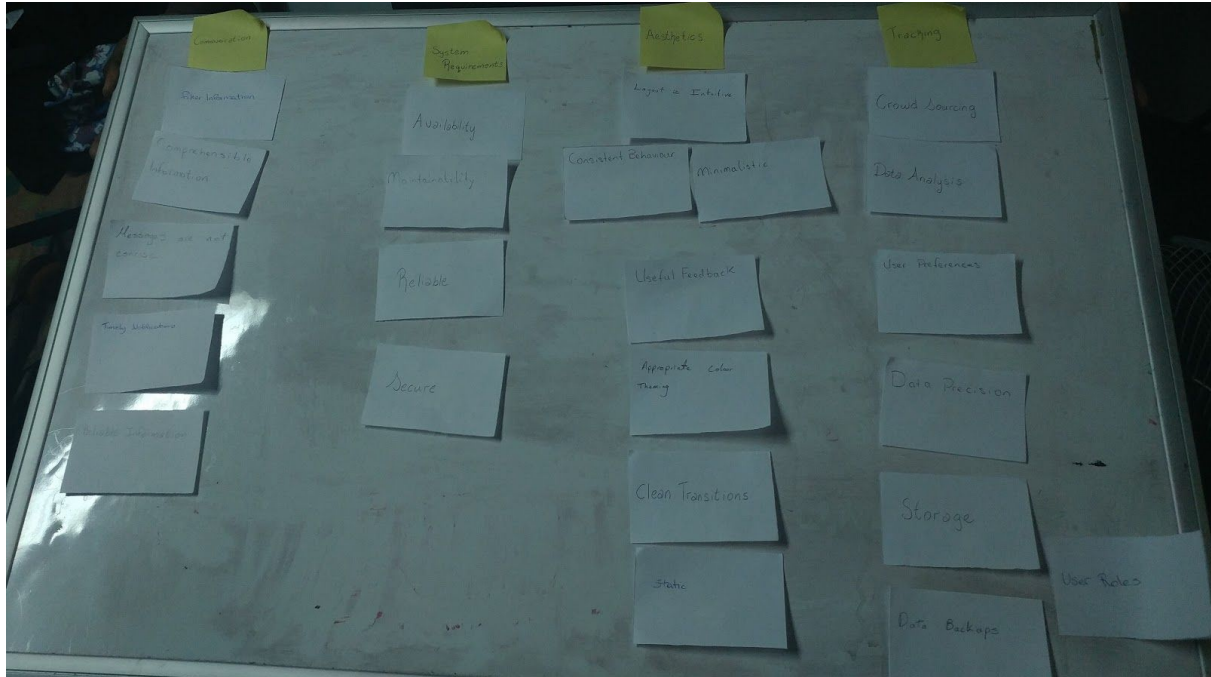
On Schedule ▾
 Cancelled
 Rescheduled

Comp 3606
 Comp 3601
 Comp 3604

[Download Images](#)

Affinity diagram

After selecting 3 designs to be used as our starting point the following affinity diagram was created.

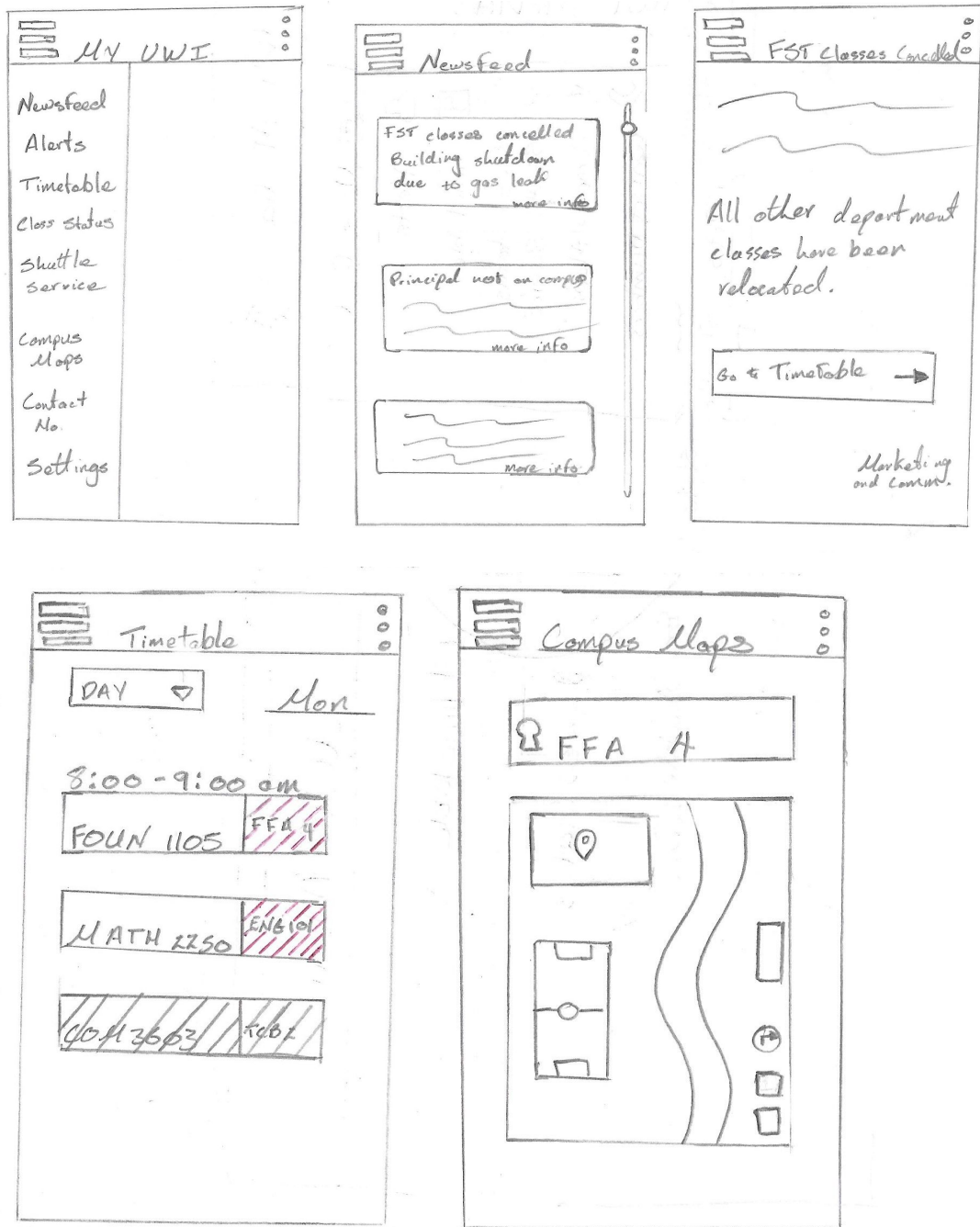


[Download All Affinity Diagram Images](#)

Storyboard

A storyboard was then created to encompass the basic usage of our application.

[Storyboard images](#)



Video prototype

This Storyboard was then used to create a simple [Video Storyboard Demo](#).

Task-centered system walkthrough

The following is a task centered walkthrough of the My UWI application following the aforementioned storyboard.

All task steps carried out using a touch screen on a mobile device.

Task Step	Knowledgeable? Motivated? Believable?	Comments/Suggested Fixes
Access Newsfeed via menu	UI should encourage users to navigate to newsfeed when an unread alert appears.	
Identify issue requiring immediate attention on newsfeed. In this case, an alert about the gas leak	Alert shown clearly at top of newsfeed.	Alerts and announcements are not easily differentiated from other Newsfeed items.
Obtain all relevant information from gas leak item on newsfeed.	Ability to view further details clearly communicated to user.	Information provided in newsfeed item did not convey all required information
View further details on item		
View temporary class locations	Readable timetable view available.	
Obtain directions to temporary class locations	Assumed that user understands google maps UI	
Check for changes to situation		Have to search for the original post for updates. No means to effectively do this currently

Major issues with system walkthrough

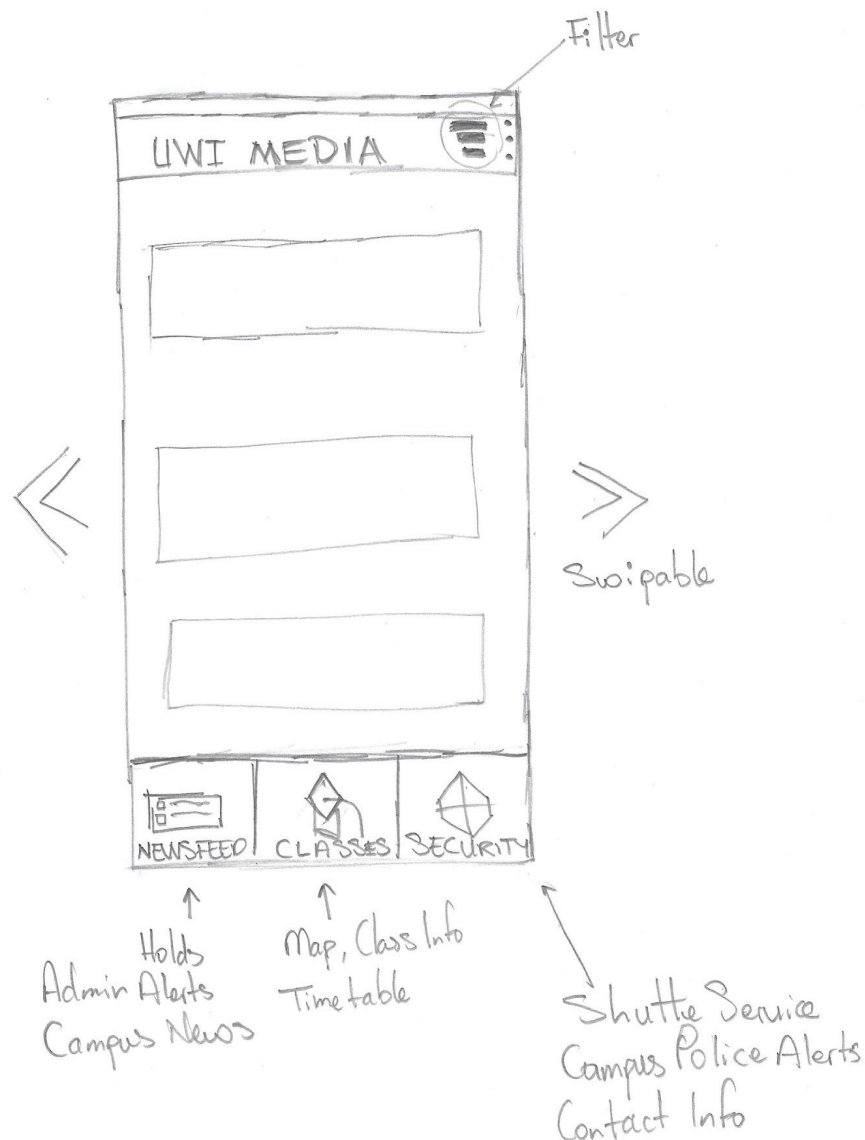
- User may not be able to quickly and easily identify Alerts which require immediate attention.
 - The colour scheme and layout for all newsfeed item types should be different.
Solution: Alerts should have a distinct colour that call attention towards them, such as a bright red.
- User could not ascertain all necessary information without viewing further details
 - The newsfeed item's summary of events was insufficient to communicate all pertinent information to the user quickly.
Solution: Article excerpts will be updated to include only the core details of the article.
- User was unable to easily obtain updates on the situation
 - There is currently no means for user to quickly and easily obtain updates on existing alerts and/or announcements.
Solution: Implement article updates so users can easily track the status of previous alerts and/or announcements.

Reflection

Lo-Fi Prototype

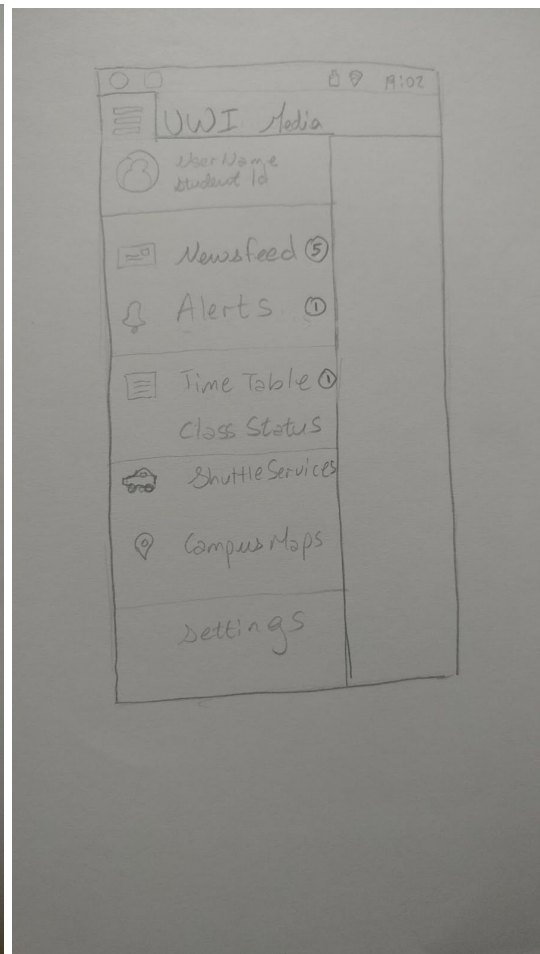
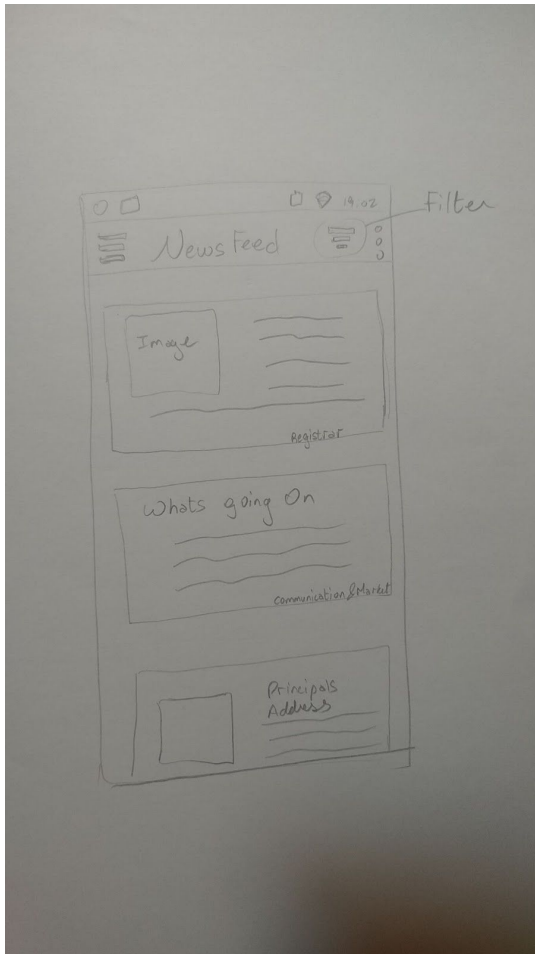
In our initial design we placed a large focus on being innovative, and as a result our designs usability suffered. Despite its visual appeal its navigation was cumbersome. We switched focus from visual creativity to functionality; the gulf of evaluation and execution for all tasks showed a significant decrease.

1st Prototype sketch



[1st Prototype Sketch Download](#)

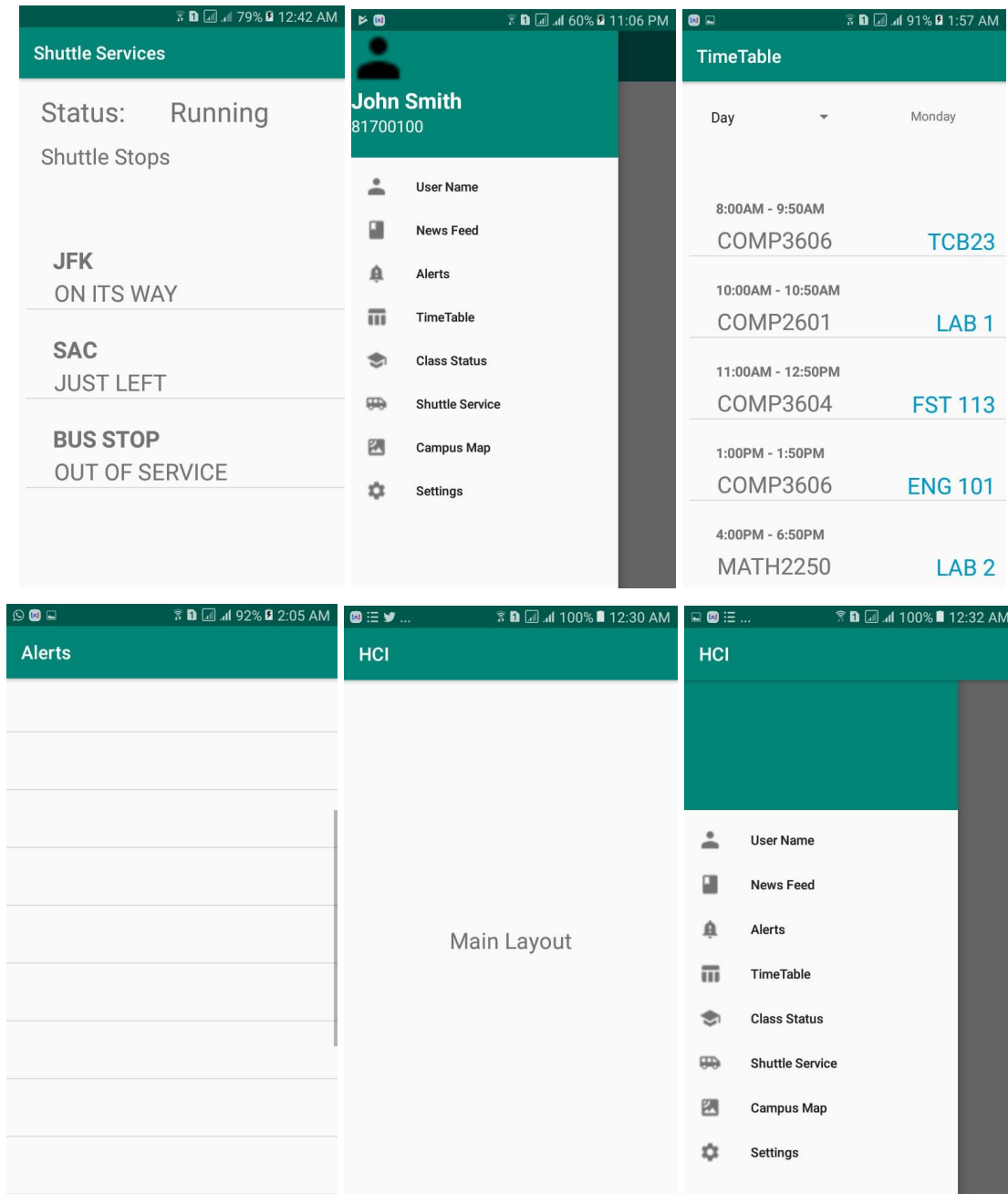
2nd Prototype Sketch



[2nd Prototype Sketch Download](#)

Final Lo-Fi Prototype design

Our new design was then put through the controlled observation experiment again, to determine if the previous problems mentioned had been fixed and to ensure no new ones had become apparent.



TimeTable	Alerts
Day ▼ Monday	
8:00AM - 9:50AM	
COMP3606 TCB23	
10:00AM - 10:50AM	
COMP2601 LAB 1	
11:00AM - 12:50PM	
COMP3604 FST 113	
1:00PM - 1:50PM	
COMP3606 ENG 101	
4:00PM - 6:50PM	
MATH2250 LAB 2	

[Final Prototype Download](#)