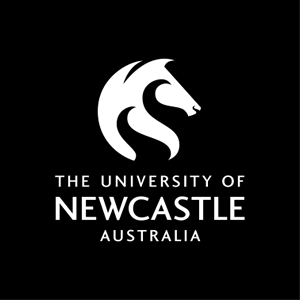
**The University of Newcastle**

**School of Electrical Engineering and Computing**



**Work Integrated Learning**

**COMP3850 / COMP3851A – Semester 1, 2020**

**Team 12 Project Plan:**

UONOW (University of Newcastle Orientation Web)

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(September 6th, 2020)

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**3. Aims**

The objective of this project is to provide a guiding website for the first-year students of the university, so that they can obtain useful information about basic university services and make the transition to UON life as smooth as possible.

The team has set the following goals.

**1. Design and develop a well-structured database**

The team will measure our tasks according to the following steps:

* Collect key data such as basic service information of the university.
* Analyse data requirements and identify all entities.
* Determine the entity relationship and put the correct data into the appropriate table.
* Normalize and ensure data integrity.

**2. Design a website with flexibility, usability, ease of use, and interactivity**

The team will develop the website based on the following goals:

* Provide a simple and easy-to-use user interface prototype.
* Use HTML5 to create the basic structure of a web page.
* Use CSS3 to make web pages and UI consistent.
* Mix text and multimedia (charts, graphics, photos, videos).
* Use JavaScript to make the website look professional and easy to use and enhance the interaction with users.
* Professionally provide students with the information they need.
* The website needs to introduce basic university services and where to find important information.
* Briefly summarize what a typical semester looks like and feel like.
* The website provides an introduction for “Before uni starts TO-DO list” to “What you need to know by week 1”.
* The target users of the website are domestic and international students.
* Provide a directory about Who is who in our Discipline, School and Faculty.
* The website needs to provide students with common FAQs and testimonials.

**5. Expected Outcomes**

1. **Design and develop a well-structured database**

Our team comes from information technology and computer science majors, and we are very confident to build a well-structured database. Through the overview of Aims1, we will obtain all database entities through investigation and analysis and find out the entity relationships in the database. We can also ensure the accuracy and completeness of the database and avoid redundancy. And before starting the website construction, complete this task.

2. **Design a website with flexibility, usability, ease of use, and interactivity** Through the overview of Aims2, we can collect the orientation information of the university through a large number of surveys and design a complete user interface. According to the user interface, we can use html5, css3, and JavaScript to make a website that conforms to the UI prototype. Because our team has backgrounds in different countries, we are confident that we can design a website for domestic and international students. Since our team has good web developers, this website will use a lot of css3 and JavaScript code, it must look pleasing to the eye and meet the expectations of a professional website. Finally, we will link the database with the website so that we can dynamically update the page information. When we complete the above development cycle, we hope that students can have a very good user experience. Interactivity, flexibility, usability, ease of use, and pleasing to the eye are all characteristics of our website. Based on the team's ability and the communication so far, we are very confident and enthusiastic to achieve this aim.

**6.Ethics, intellectual property and confidentiality   
 considerations**

Because this app is develop for students on the University of Newcastle we are obligated to inform students about the ethics considerations of this app. The Ethics considerations are…

**Privacy -**Only from data related to the student’s course, or university activities will be  
 collected (student’s grades, courses taken each semester, student’s major,   
 etc.), personal data such as location or IP addresses will only be collected  
 when needed and the app will notify the student whenever their personal  
 data is being collected (Attendance check-in). However, students who lives  
 in the campus will need to provide more personal data such as phone  
 numbers, which campus they live in, emergency phone number, etc).  
  
**Risks or usage –** The risk of using this app is pretty much unavailable, as this app is  
 build only for the purpose of helping first year students to   
 understand how the university works. Also students who access this  
 app will not be ask to pay for the service in any kind such as in-app  
 purchases.  
  
**Permission of usage –** Only students who are studying in the University of Newcastle  
 are able to access this app as this app requires students to have  
 a student number to access it. Furthermore, students who   
 dropped out of the university will not be able to access the app  
 anymore.  
  
**Ethics –** Students who use this app will not need to worry about any moral issues that  
 comes with the app as the process of development and the usage of the app  
 is perfectly legal. Also the app does not allow any students to conduct any  
 sorts of illegal activity (such as illegal gambling) through this app, and   
 students who found doing so will be punish according to the university   
 disciplinary policy and be banned either temporarily or permanently from

Using this app depending on the situation.

# References

YTH, 2015. *Creating a Mobile App? 6 Privacy and Ethics Points to Discuss with Your Developer.* s.l.:s.n.