ABSTRACT
This poster presents a summary of a 3rd year Information Systems internship that was completed by a student for a bed and breakfast business. The project completed included the design and development of a website and a mobile application where the client did not have a high level of IT literacy.

The poster presents the aims, processes and outcomes of the project.

The skills developed and enhanced by the student included increased knowledge of HTML and CSS as well as the application of JavaScript and PHP and the creation of MySQL databases.

Categories and Subject Descriptors
H.3.5 [Online Information Services]: Web-based Services

Keywords

1. INTRODUCTION and BACKGROUND
Students completing the Information Systems major in the Bachelor of Commerce at the University of Canterbury are able to complete a 30 point internship course (INFO330 – Applied Information Systems Project), that requires the student to complete a 200 hour work based project and complete other associated academic work. This poster presents an outline of the project, the processes that were undertaken as well as the learning outcomes for the student.

The student project involved determining the requirements for a website for a bed and breakfast business, developing the website, and finally developing a mobile version of the website.

2. THE PROJECT
The overall aim of the project was to create a modern website (see figure 1) showcasing the house and gardens at Carradale Manor that allows online booking and a mobile application version (see figure 2).

Figure 1 – Home Page of Website

The owners of Carradale Manor do not have a high degree of information technology and internet literacy and as consequence consideration had to be given to finding an appropriate way to gather the requirements for the project.

A discovery prototyping approach was adopted where the clients were shown a series of iterations of the design of the website to help them determine their requirements [4].

The website was developed using Dreamweaver by using HTML and CSS to display the front end with a back end written in PHP. JavaScript was also used to enhance the website.

The mobile application was created using the jQuery mobile framework to allow compatibility across a range of platforms.
3. STUDENT LEARNING
A significant amount of learning took place during the completion of the project along with a number of skills being enhanced and further developed. Aspects of student learning that were of most significance are shown in Table 1.

<table>
<thead>
<tr>
<th>Significant Areas of Student Learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhancement of HTML, CSS and Javascript skills</td>
</tr>
<tr>
<td>Learning PHP and MySQL for the first time</td>
</tr>
<tr>
<td>Development of mobile applications using the jQuery framework</td>
</tr>
<tr>
<td>Use of prototyping to discover user needs</td>
</tr>
</tbody>
</table>

4. CONCLUSIONS
The project was completed successfully and was deployed to the satisfaction of the clients and the student was able to apply and develop skills in a real life environment with these being consistent with some of the literature regarding similar projects [1],[3],[5].

The balance between the product created and the process gone through as also interesting in this project with this concept having been highlighted in the literature [2],[3].

5. REFERENCES


