CP2013 Projects for Townsville

This assessment task has been prepared by Dr. Dmitry Konovalov for James Cook University. Updated 22 July 2015.

The following are acceptable projects for this subject at the Townsville campus. Other projects may also be acceptable at different JCU campuses. Contact your local instructor to discuss your options. When selecting a different project, please keep in mind that:
1. The project must be a software development project, i.e. it requires writing source code of some sort rather than just customisation of a software system (**NOTE: CMS-content management systems are allowed**);
2. The project could be implemented using _**two**_ different computer languages or development environments. This is extremely important in this subject. The students must experience first-hand that some parts of their project will be environment **independent** while the other parts may be quite affected by the chosen environments.
3. The project must have some sort of _**persistent**_ data storage, e.g. relational database such as mySQL.
4. The project must have a modern user-interface, e.g. interactive web-site.

Projects are from the textbook:
1. **Section-III The payroll Case Study**

Note that each team may select different set of user stories for each of the above projects. Your instructor plays the role of a client/customer. You need to discuss your proposed solution with your instructor during the workshops. This cp2013 subject prepares you for the cp3046/3047 project subjects, where you will implement a software system for a real client.

To obtain the full marks during the marking sessions, you need to demonstrate **two** systems which are functionally as similar as possible but are developed using **two** different languages. The two language rule is only relevant for the **programming** assessment items. Please check with your instructor if it is not clear. This subject encourages as much student-client communication as possible during the workshops.

Resources. The assignment must be done using _**two**_ different development environments or languages **per group/team**, for example (and not limited to):
- HTML, Python, C#, C++, C, Flash, PHP, Java (J2SE), Java servlets (J2EE)
- Javascript+Html5
- Native iOS app (iPhone, iPad) Objective-C
- Android App
- CMS-content management system (e.g. Wordpress, Joomla)