

**COMP 3520 / 4530 – Software Engineering**

Assignment #5: Project Management & Planning

## Due Date: Beginning of your Lecture on March 20th, 2018

**Topics:**

* Project Management (Ch.22)
* Project Planning (Ch.23)

**Introduction:**

How can we be assured that the software is delivered on time, on budget and in accordance with the requirements of the organization? This is a project management issue. Most software failures can be traced to a lack of control and inadequate project management. For this assignment, you will be asked to describe your company’s project management and planning approach.

**Problem:**

For your start-up company, explain the approach to project management and project planning that you will use to deliver software. A few items needs to be addressed:

* First, define team organization. Note that this is heavily dependent on the process development model you chose in Assignment 1.
* Secondly, you are required to use some form of Agile planning to describe how you will deliver your software.
* Finally, demonstrate how you will use agile planning and create a project plan for a small software project that your company is producing. This project should take about 12 weeks to complete.
* Also required is a people management plan, which maps back to first deliverable in the problem on team organization.

**Report:**

Create a formal report, including a cover page, table of contents, executive summary, body, conclusion and bibliography with references. Include page numbers, and figure references, etc. This report should b Developers Inc. our company focuses on developing and delivering native mobile applications to provide cost-effective and robust solutions to the needs of our customers from different business fields. To develop and implement the solutions, we focus on a combination of scrum agile development with bits of extreme agile programming. In our current project we are developing a native mobile app for a restaurant business to display its menu and prices for each item. The app would be used by in house staff to take orders from customer tables and send them to the kitchen where the chefs would be able to know and prepare them. It will also allow tracking time to prepare the table order, accept payment from the customers at the table, track inventory and time clocks for the employees. e 6 to 10 pages in length.

**Key Questions:**

* Is the software development plan typical of an agile software development plan?
* Is the people organization and management plan adequate to run a small software development project?

### Marking Rubric

The marking of this assignment requires the student to demonstrate knowledge of how to build a team of software developers and how to schedule a development project using agile development. The following grading rubric will be applied:

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| **Criteria** | **Requirements** | **Mark** |
| **Project Plan**  **40%** | Is the software development plan typical of an agile software development plan  Able to produce a project plan for a small project with about a 12 week duration.  Typically a few pages in length. | **/40** |
| **People Plan**  **30%** | Is the people organization and management plan adequate to run a small software development project?  Typically a few pages in length.  Able to apply the components of theory on team structure into an actual team organization. | **/30** |
| **Report Format**  **30%** | Quality of the written report. | **/30** |
| **Total /100** | | |