

# Scrum Pilot Study

CP3405 – ASSESSMENT TASK 1 – WORTH 15% – DUE 06/09/2019

## Background

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In 2017, the original design challenge given to CP2408 students was:

Regional cities like Cairns and Townsville have small to medium sized businesses who struggle to fill technical roles. These roles can vary based on experience needed, hours to be worked and duration of the job. As IT@JCU has become well-known in the region many of these employers contact JCU via email or phone, asking for recommendations of suitable students and/or alumni for these roles.

IT@JCU would like to have a computerised process to:

- a. Allow employers to post job opportunities;
- b. Allow IT@JCU staff to recommend students; and
- c. Respond to employers with their CV and contact details.

**The challenge:** design an innovative digital workflow to solve this problem. This workflow focuses on improving the communication process between three entities: employers, staff and students.

This year in CP3405, we provide CP3405 teams a completed CP2408 project submission as the starting point, rather than asking CP3405 teams to start from scratch for the challenge.

## Assessment Task

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The pilot study consists of a single “pseudo-Scrum iteration” that lasts **no more than three weeks**. The objectives of the pilot study are to answer the following questions:

1. Is Scrum the right development methodology for this project?
2. Is the project technically feasible?
3. Can the development team work together?

Hence, we ask your CP3405 project team to conduct the following tasks:

1. **Develop a team charter**
2. **Conduct a Scrum Pilot Study**

Please note that your team should use the team charter template as detailed in the week 2 practical and follow the pilot study process as described in week 2 lectures (based on Chapter 2 of “Software in 30 days”). Note that the team charter represents step 1 of the Scrum pilot study process. It is crucial for CP3405 teams to understand the Scrum pilot study process to successfully complete this assessment task.

From a teamwork point of view, everyone should feel safe to argue, to disagree, and to struggle for the best approach for working together. Select a team member to act as the **pilot manager**. This team member uses the team's charter to manage the team during the project work.

Document your pilot study using this template (no more than **6 pages** long please):

**Title page:** State the project name and the names of your team members.

**Section 1:** In your own words **restate** the project challenge and then **analyse** the pros/cons of the existing CP2408 proposed solution.

**Section 2:** Justify the objectives of the pilot study based on your analysis of the existing CP2408 proposed solution from Section 1. Focus on some aspects of the overall project that's tricky, difficult, or your team is unsure about (no more than **two aspects**).

Examples: 1) determine the feasibility of using a particular software platform (e.g. Axure, Node.js, Django); 2) assess desirable software security, performance, or stability requirements; 3) an MVP that represents usable functionality that could be tested with users. (Discuss any other ideas your team has with your lecturer.)

**Section 3:** Summarise the **weekly activities** conducted by your team during the pilot study. **Assess** how well each activity helped your team better understand the project and state what steps were taken by the team to **improve** developmental workflow as a result of assessing each activity. The team conducts informal **retrospective meetings** at the end of each week and keep notes of these meetings. The team maintains **task plans** for each week – task details and team member assignment.

**Section 4:** Based on the actual outcome of the pilot study: 1) **assess** Scrum's appropriateness as the development methodology for the project work; 2) **assess** the technical feasibility of the project; and 3) **assess** how well your team worked together.

## Submission

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Collect the team charter, and the details about your pilot study into a single word documentation and submit via the LearnJCU Assessment Task group submission link for your CP3405 project team.

# Marking Rubric

	Exemplary 9-10	Good 7-8	Satisfactory 5-6	Limited 2-4	Very limited 0-1
Overall quality of the report.	Excellent grammar and report structure. Easy to read and understand.	Exhibits aspects of exemplary (left) and satisfactory (right).	Very few grammatical problems exist. The report structure is mostly clear. The report is mostly easy to understand.	Exhibits aspects of satisfactory (left) and very limited (right).	Many grammatical problems exist. The report structure is not clear. The report is not easy to understand.
Team charter	The charter is complete and follows the template very well. All team members made clear contributions to the charter.		The charter follows the template fairly well overall, but some aspects could be clearer or more detailed. All team members made contributions to the charter.		The charter doesn't follow the template well enough. It appears that some team members didn't contribute to developing the charter.
Overall quality of the pilot study process.	The team followed the pilot study process exceptionally well.		The team mostly followed the pilot study process well enough.		The team did not follow the pilot study process very well.
Analysis of the existing CP2408 solution.	The analysis is very detailed and carefully considered about the existing CP2408 solution's pros/cons.		The analysis contains many details about the existing CP2408 solution's pros/cons, but some are missing or not carefully considered.		The analysis doesn't contain nearly enough details about the existing CP2408 solution's pros/cons.
Justification of desired pilot study outcome.	The desired outcome of the pilot study is meaningful and obviously achievable.		The desired outcome is meaningful, but some aspects are not achievable.		Most aspects of the desired outcome aren't meaningful or achievable.
The outcome of Scrum iteration activities.	Activities conducted during the pilot study were meaningful and very useful. The pilot study produced useful outcomes in terms of gaining outstanding insights about the problem domain.		Activities conducted during the pilot study were useful. The pilot study produced useful outcomes in terms of gaining reasonable insights about the problem domain.		Activities conducted during the pilot study were not useful. The pilot study didn't produce useful outcomes in terms of gaining insights about the problem domain.
Assessment of pilot study	The assessments about the activities and the steps made during the pilot study and to improve workflow are outstanding. The team made very clear and detailed meeting notes about the retrospective meetings and task planning.		The assessments about the activities and the steps made during the pilot study and to improve workflow are reasonable. The team made reasonable meeting notes about the retrospective meetings and task planning.		The assessments about the activities and the steps made during the pilot study and to improve workflow are not reasonable. The team did not produce reasonable meeting notes about the retrospective meetings and task planning.
Conclusion about the Scrum pilot study.	The actual outcome of the pilot study is carefully considered in terms of methodology appropriateness, technical feasibility		The actual outcome of the pilot study is somewhat considered but some aspect(s) might be better discussed in terms of methodology appropriateness,		The actual outcome of the pilot study is not very well considered in terms of methodology appropriateness, technical feasibility

	and team effectiveness.		technical feasibility and team effectiveness.		and team effectiveness.
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