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**CP2013** ASSESSMENT TASK 1: **Project part-1 (Documentation)**

This assessment task has been prepared by Dr. Dmitry Konovalov for James Cook University. Updated 19 July 2015.

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| Aligned BIT course & subject learning outcomes | * SLO - Subject Learning Outcome: SLO-1, SLO-2; SLO-3; SLO-4 * BLO - BIT Course Learning Outcome: BLO-K1, BLO-S2, BLO-S3, BLO-S5, BLO-A1 |
| **Group or individual** | *Group.* ***Every team member gets the same mark for this assessment item*** |
| **Weighting / Length** | *10%* |
| **Due date** | *before week-5 workshop* |

## ASSESSMENT TASK DESCRIPTION

This task is the ***iteration-1*** in terms of the Agile Software development. It defines the initial project specifications including goals, deliverables, and planning for ***iteration-2*** (***alpha release***).

## [Total awarded \_\_\_\_\_ out of 100 marks] ASSESSMENT TASK CRITERIA SHEET

The following is the list of items which are required to be completed in this assignment. Maximum possible marks are given in brackets at the beginning of each item. Where relevant, the SLOs and BLOs are specified.

**[\_\_\_\_/Prerequisite for marking]** Assignment is completed using electronic copy of ***this*** document and submitted to LearnJCU electronically.One submission per team.

**[\_\_\_\_\_/20 marks, SLO-3, BLO-S5] Assignment is done in a group with 2-4 students.**

***Every team member gets the same mark for this assessment item***

Write group members here:

Student Name-1, Project role(s), specific ***individual*** contributions to this assessment item:

Student Name-2:

**[\_\_\_\_\_/20 marks, SLO-1, SLO-3, BLO-S3] Project description for non-ICT-technical stakeholders and general audience.** Write here: minimum **TWO** pages, maximum **TEN** pages.

* [\_\_\_/10] Justification for the project: Why a new ICT solution is required. Include some market and ICT technology research, plus available ICT solutions.
* [\_\_\_/5] Project goals: Describe exactly what and how your proposed ICT solution will be delivered to the client.
* [\_\_\_/5] Justify between two and four major milestones with timeline. Is your proposed schedule too ambitious (over-optimistic) or too conservative?

**[\_\_\_\_\_/20 marks, SLO-1, BLO-S3] Clearly specify the scope of alpha-release (Project part-2).** Write here: Minimum **TWO** pages, maximum **TEN** pages.

**Available days:** PASS-level (minimum) effort is 1-day and maximum is 3-days per teaching week (assume 12 weeks per study period), per team member. For example: 12 x 2 = 24 days is the minimum for a team with 2 students, 12x2x3=72 days is the maximum. The available days must match the SUM of your user story estimates below.

User story 1: title; (optional: short description only if title needs explanation); effort estimate (in days, maximum of 5 days).

User story 2: ...

**[\_\_\_\_\_/20 marks, SLO-3, BLO-K1, BLO-S5] Project sponsor/client/customer signed/agreed to the scopes of the alpha-release and the final-release.** Cut/Paste clients’ email here, or show signed the preceding “**Project scope**” to your marking lecturer.

**[\_\_\_\_\_/20 marks, SLO-1, SLO-2, SLO-3, SLO-4, BLO-K1, BLO-S3] Project development and release ICT infrastructure.** This must include development environment, programming languages, source code repositories (Configuration Management), project collaboration tools, and development tools. Write here: minimum **TWO** pages, maximum **TEN** pages.

* [\_\_\_/5 marks] **Configuration Management**/version control, e.g. git, github (private repos only), heroku, bitbucket;
* [\_\_\_/15 marks] **Prototypes are demonstrated to justify the proposed alpha-release**;

**Marking Rubric for Project Documentation:** This assessment rubric provides you with the characteristics of exemplary, competent, marginal and unacceptable work in relation to task criteria.

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| **Criteria** | **Exemplary (DISTINCTION-level)** | **Competent (CREDIT-level)** | **Marginal (PASS-level)** | **Unacceptable (FAILED-level)** |
| **Assignment is done in a group with 2-4 students.** | **20**  Group demonstrated **exemplary ability** to work collaboratively, e.g. all team members always attended the same workshop | **15** Group demonstrated **competent ability** to work collaboratively, e.g. all team members nearly always attended the same workshop. | **10**  Group demonstrated **marginal ability** to work collaboratively, e.g. all team members sometimes attended the same workshop. | **0**  Group did not demonstrated ability to work collaboratively. |
| **Project description for non-ICT-technical stakeholders and general audience** | **20**  Project is described **very clearly** for a non-technical audience. No presentation and style errors | **15** Project is described clearly for a non-technical audience; or Outside page limits, or Minor presentation and/or style errors. | **10** Project is not described clearly. Outside page limits; or Major presentation and/or style errors. | **0**  Not done, or done unacceptably. |
| **Project Planning and scope** | **20**  All user stories are correct, and correctly estimated. | **15** Most user stories are correct, and correctly estimated. | **10**  More than half of user stories are correct, and correctly estimated. | **0**  Less than half of user stories are correct, and correctly estimated. |
| **Project client signed the scope** | **20**  Clear evidence of clients priority and ranking of user stories; Signed and agreed scope. | **15** Some evidence of clients priority and ranking of user stories. Signed and agreed scope | **10**  No evidence of clients priority and ranking of user stories.  Signed and agreed scope. | **0**  Not done, or done unacceptably. Project scope is not signed. |
| **Project development and alpha-release ICT infrastructure** | **20**  Description very clearly communicates exemplary ICT solutions. | **15** Description clearly communicates competent ICT solutions. | **10**  Description communicates ICT solutions. | **0**  Not done, or done unacceptably. |

## Reference BIT course and learning outcomes

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| BIT course & subject learning outcomes | SLO - Subject Learning Outcomes:   * SLO-1 Design and implement appropriate solutions in one or more application domains using software engineering approaches; * SLO-2 Understand and apply software verification, testing, and validation for quality assurance in software development; * SLO-3 Gain practical experience working as part of a team to develop and deliver quality software artefacts; * SLO-4 Develop the ability to re-engineer existing software;   BLO - BIT Course Learning Outcome:   * BLO-K1 - Demonstrate essential knowledge for a career in technology related professions and practice; * BLO-K2 - Synthesise industry standard and underlying principles and concepts for decision making; * BLO-K3 - Critically analyse the core professional obligations, values and operations of organisations including sustainability; * BLO-S2 - Apply critical thinking to address IT related issues; * BLO-S3 - Convey information clearly and fluently, in high quality written form appropriate for their audience; * BLO-S5 - Demonstrate the ability to work collaboratively; * BLO-A1 - Apply technical skills, including numeracy, necessary for professional practice; |