**CP3407** ASSESSMENT TASK 1: **Project part-1**

This assessment task has been prepared by Dr Dmitry Konovalov for James Cook University. Updated 20 July 2018.

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|  |  |
| --- | --- |
| Group or individual | *Group. Every team member gets the same mark for this assessment item* |
| **Weighting / Length** | *20%* |
| **Due date** | 3-Sept-2017 (12noon, Monday of Week-7) |

## ASSESSMENT TASK DESCRIPTION

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

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

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.

**[\_\_\_\_/Prerequisite for marking]** Assignment is submitted to LearnJCU electronically. **The same submission document for each member of your team**.

**[\_\_\_\_\_/20 marks] Team work.**

* GITHUB link: …
* Assignment is done in a group with 2-4 students.
* Student Name-1, Project role(s), specific individual contributions to this assessment item:
* Student Name-2: …
* Student Name-3: …
* Student Name-4: …

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

* Justification for the project: Why a new ICT solution is required. Include some market and ICT technology research, plus available ICT solutions.
* Project goals: Describe exactly what and how your proposed ICT solution will be delivered to the lecturer for marking.

**[\_\_\_\_\_/20 marks3] Project Planning and scope.** Write here: Minimum **ONE** page, 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] Project Design.** Architectural (UML diagrams), Database, Interface designs. Minimum **THREE** pages, maximum **TEN** pages.

* Architectural design. Must use online UML diagram tool, e.g. https://www.gliffy.com/uses/uml-software/
* Database designs. Must use online tool, e.g. https://www.genmymodel.com/database-diagram-online
* Interface design. Must use prototyping tool, e.g. https://ninjamock.com/

**[\_\_\_\_\_/20 marks] 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 **ONE** page, maximum **FIVE** pages.

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

**ASSESSMENT TASK 1: CRITERIA SHEET**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 in github | **15** Group demonstrated **competent ability** to work collaboratively in github. | **10**  Group demonstrated **marginal ability** to work collaboratively in github. | **0-5**  Group did not demonstrated ability to work collaboratively in github. |
| **Project description for non-ICT-technical stakeholders and general audience** | **20**  Project is described **very clearly** for 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. | **0-5**  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. | **0-5**  Less than half of user stories are correct, and correctly estimated. |
| **Project Design** | **20**  Architectural, Database, Interface designs are correct and justified for IT audience | **15** Architectural, Database, Interface designs are mostly correct and justified for IT audience | **10**  Architectural, Database, Interface designs are somewhat correct and justified for IT audience. | **0-5**  Architectural, Database, Interface designs are mostly incorrect and/or not justified for IT audience. |
| **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. | **0-5**  Not done, or done unacceptably. |