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

This assessment task has been prepared by Dr. Dmitry Konovalov for James Cook University. Updated 14 December 2015.

## 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.**

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**[\_\_\_\_\_/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.

The project involves in provide a very simple payroll application to calculate salary for a small baby shop, Maria Kids shop. The shop is located at 36 Manuel Sambizanga, Saopaulo, Luanda, Angola. There are 2 types of employees working here: Permanent and Temporary. The permanent workers receive salary with fixed amount at the end of each month, considered as responsibility salary, not about how many hours spent at work, usually payday is the end of month.

Conversely, temporary workers get pay according to the number of hours they spend at work. Salary calculation is done at the end of each day: Earnings is based on Timecard, Payment is based on payment slip. Employee is able to withdraw salary at any time, but the accepted amount is not greater than payable account balance up to this point of time.

There are 3 permanent, 7 temporary ones. There is only one manager responsible for keep track time card and pay each time. The shop allows employee withdraw wages at any time. However, the accepted amount is strictly less than or equal to the employee's payable account balance up to the point salary calculated.

* **[\_\_\_/10] Justification for the project: Why a new ICT solution is required. Include some market and ICT technology research, plus available ICT solutions.**

Currently, process of recording time cards and payment slip has been performing manually on a book called Timecard and payment at shop. The shop owner would like to computerize this process, so that she is able to control updates everyday. She requires a salary report of each employee at any time.

Based on the current request, there is only one person working on this application. Therefore, the future app is going to install on stand-alone computer with one user only. The app is supposed to be user-friendly and closed to current practice at shop, so that the transformation would not take much time.

* **[\_\_\_/5] Project goals: Describe exactly what and how your proposed ICT solution will be delivered to the client.**

1. Project Goals:

- App provides functionality in manageing employee details including: Adding a new employee, Editing an existing employee details, Deleteing an employee only if account balance is zero.

- App supports salary calculation with 2 inputs: Daily Time card, Payment slip. Employee can choose 2 methods: By cash or On account.

- App is supposed to supply a report about each employee with total earning, total pay, and balance.

2. Time frame: 4 weeks. App will be present to customers on every Monday with a separate user story.

* **[\_\_\_/5] Justify between two and four major milestones with timeline. Is your proposed schedule too ambitious (over-optimistic) or too conservative?**

Applying Agile Methodology, I have plan to deliver app to customer on Monday morning every week. Working closely with customer and getiing feedback enables me make adjustment to go the right track, fulfill customer's requirements.

|  |  |  |
| --- | --- | --- |
| Schedule | User story title | Milestones |
| W6 | Add employee | US1 |
| W6 | Edit employee | US2 |
| W7 | Enter Time Card | US3 |
| W7 | Calculate salary | US4 |
| W8 | Make Payment slip | US5 |
| W8 | Delete employee | US6 |
| W9 | Salary Report | US7 |

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

|  |  |
| --- | --- |
| **User story** | **Title** |
| US1 | * Title: Add employee |
| * Specification: Add a new employee, save information into database |
| * Weight: Priority: 10-Risk: 2 |
| US2 | * Title: Edit employee * Specification: Edit employe details except from EmpID * Weight: Priority: 10- Risk:2 |
| US3 | * Title: Enter Time Card * Specification: Daily Record Start-time, End-time for each employee * Weight: Priority: 20-Risk: 2 |
| US4 | * Title: Calculate salary * Specification: Temporary worker wage is calculated by multiply working hours by hourly rate daily. Permanant worke is defined by fixed amount, if they have time card at least one day of the month. Daily time card is used for reference. * Weight: Priority: 20-Risk:2 |
| US5 | * Title: Make Payment slip * Specification: Based on internal cash payment documents or bank transfer, enter payment slip into the app * Weight: Priority: 30-Risk: 2 |
| US6 | * Title: Delete employee * Specification: Delete only is allowed if account balance is zero * Weight: Priority: 30-Risk: 2 |
| US7 | * Title: Salary Report * Specification: List all employees with total earnings and total payment until the date of report. Note that: Permant workers salary based on fixed amount as long as they are at work a least one day in the month * Weight: Priority: 40- Risk: 3 |

**[\_\_\_\_\_/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.

|  |  |  |
| --- | --- | --- |
| Dear **Mr Lum,**  We have processed and decided on the requirements and scope for this project based on user stories you delivered. The project has been estimated and delivered with 30 working days. The testing will be performed to make sure that the application meets all the requirements. In order to let us proceed this project, please check and provide your signature below if you are satified   |  |  | | --- | --- | | **Kummeng Lum**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Date: 21/11/2015**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |

**[\_\_\_\_\_/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;

- Documentation will be stored in GoogleDrive: nguyenkimthanh1410@gmail.com, Folder: CP2013-Software Engineering

- Programming languages: Java and mySQL

- Development tools: Eclipse, JDK, JDBC

* [\_\_\_/15 marks] **Prototypes are demonstrated to justify the proposed alpha-release**;















