

International School

**Capstone Project 2**

CMU-SE 451

**User Story**

Version 1.1

Date: 23 Feb 2022

**SENIOR PROJECT MANAGEMENT SYSTEM**

**FOR INTERNATIONAL SCHOOL**

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**PROJECT INFORMATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Project acronym** | Senior Project Management System for International School | | | | |
| **Project Title** | SPMS | | | | |
| **Start Date** | 18 Feb 2022 | | **End Date** | 15 May 2022 | |
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| **Version** | **Date** | **Comments** | **Author** | **Approval** |
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| v1.1 | 23/02/2022 | Update document | Tien | x |
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**SIGNATURE**

**Document Approvals:** *The following signatures are required for approval of this document.*

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1. **Introduction**

In software development, a User Story is one or more sentences that describe the natural language (not the technical language) or the business language of the end user or system user to record. what User need to do or not do their job or duty. User stories are used in methods such as Agile software development as the basis for defining system functions such as business development and to facilitate management of requirements. Help yourself know "who", "what" and "why" in a short, simple request, often limited only by details that can be written on a piece of sticky note or scrap paper. small.

User stories written by business User are the primary way of User because they understand most of the system's processes, workflows and functions so it is working right now. User stories can also be written by Dev to make non-functional requirements (like security, performance, quality, etc.).

* 1. **Purpose**
* Provide a prioritized features list, containing a short description of all functionality desired in the product.
* Lists everything that the product owner and Scrum team feels should be included in the software they are developing.
  1. **Scope**
* Write all the user’s requirements.
* Lists some main functions of the system and acceptance criteria of each function.
* Short description of all the functionality desired in the product.
* Given the priority of each feature and function of the product.
  1. **References**

|  |  |  |
| --- | --- | --- |
| **No** | **Source** | **Note** |
| 1 | <https://www.visual-paradigm.com/guide/agile-software-development/what-is-user-story/> | What is User Story? |
| 2 | <https://www.atlassian.com/agile/project-management/user-stories> | User Stories with Examples and Template |

1. **User Stories**

***Priority and Estimates***

Priorities are set from high (H), medium (M) and low (L):

* Priorities of some user stories can be the same with others.
* If a user story has dependencies, it must have lower priority than its dependencies.
  1. **Sprint 1**
     1. **Login**

**Table 2.1.1:** *Login (PB01).*

|  |  |  |
| --- | --- | --- |
| **As a User**  **I want to** access into the system **so that** I can use features of system with my role. | | |
| **Login** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** User | **Acceptance Criteria**   * Minimum password length 8 characters maximum 50 characters. * Enter the correct username and password, then I can log into the system. * Enter wrong username or password, then I can’t login to system. | |
| **Story:** User want to access into the system. |

* + 1. **Logout**

**Table 2.1.2:** *Logout (PB02).*

|  |  |  |
| --- | --- | --- |
| **As a User**  **I want to** log out of the system **so that** Ican stop using the system. I can login after I want to use the system next time. | | |
| **Logout** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** User | **Acceptance Criteria**   * The actor clicked the logout button, I will exit the system and return home. * Delete actor login sessions (including user information). | |
| **Story:** User want to log out of the system. |

* + 1. **Register and execute projects**

**Table 2.1.3:** *Register and execute projects (PB06).*

|  |  |  |
| --- | --- | --- |
| **As a student**  **I want to** register to execute capstone **so that** I can receive an account to use CMS after moderator approved. | | |
| **Register and execute projects** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Student | **Acceptance Criteria**   * Minimum password length 6 characters maximum 50 characters. * Enter the correct username and password, then I can log into the system. * I entered wrong username or password, I want to be told exactly what I am wrong. | |
| **Story:** Thestudent want to register to execute capstone. |

* + 1. **Create a new account**

**Table 2.1.4:** *Create a new account (PB03.1).*

|  |  |  |
| --- | --- | --- |
| **As a admin**  **I want to** manage account for user **so that** user can receive an account and use a system | | |
| **Create a new account** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Admin | **Acceptance Criteria**   * Admin wants to send any password to the user's email. * Generate notification of failed or successful processing. * Display error message when information is invalid. | |
| **Story:** Admin wants to manage account for user. |

* + 1. **View account list**

**Table 2.1.5:** *View account list (PB03.2).*

|  |  |  |
| --- | --- | --- |
| **As a admin**  **I want to** view list account **so that** I can check information of account. | | |
| **List account** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Admin | **Acceptance Criteria**   * The admin can see all existing information account in the system on the home screen. | |
| **Story:** Adminview list account was register execute a capstone. |

* + 1. **Update an account**

**Table 2.1.6:** *Update an account (PB03.3).*

|  |  |  |
| --- | --- | --- |
| **As an admin**  **I want to** update information of account **so that I** can update an information of account | | |
| **Update the account** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Admin | **Acceptance Criteria**   * Admin wants to change information about a user account. He/she must login to admin account, choose right account, change account information and click update button. * Displays the support buttons for adding, deleting and editing. * Information must be updated every day after a change has been made. * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** Admin wants to update information of account. |

* + 1. **Delete an account**

**Table 2.1.7:** *Delete an account (PB03.4).*

|  |  |  |
| --- | --- | --- |
| **As a admin**  **I want to** delete an account **so that** account can't use system | | |
| **Delete account** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Admin | **Acceptance Criteria**   * Admin wants to delete an account. He/she must choose the user account and click the delete button. * The system will send a success message if valid. Opposite, the system must inform an error message. * Displays the support buttons for deleting and editing. * Information must be updated every day after a change has been made. | |
| **Story:** Admin wants to delete an account. |

* + 1. **Approve account**

**Table 2.1.8:** *Approve account (PB04.1).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** view list student was register execute a capstone **so that** I can check information of Student and approve to send account. | | |
| **Approve account** | **Project: Senior Project Management System for** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * The actor can see all existing information Student in the system on the home screen. | |
| **Story:** Themoderator wants to view list student was register execute a capstone and approve to send account. |

* + 1. **Update a student**

**Table 2.1.9:** *Update a student (PB04.2).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** update information for student **so that I** can update some information of student | | |
| **Update a student** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * Displays the support buttons for edit and approved. * Information must be updated every day after a change has been made. * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** Themoderator wants to update information for student. |

* + 1. **View a student**

**Table 2.1.10:** *View a student (PB04.3).*

|  |  |  |
| --- | --- | --- |
| **As a Admin or Moderator or Lecturer or Student**  **I want to** view student’s information. | | |
| **View a student** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Admin, Moderator, Lecturer, Student | **Acceptance Criteria**   * The actor signed | |
| **Story:** view student’s information. |

* + 1. **View student list**

**Table 2.1.11:** *View student list(PB04.4).*

|  |  |  |
| --- | --- | --- |
| **As a Admin or Moderator**  **I want to** view student list **so that I** can see amount of student involve. | | |
| **View student list** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Admin, Moderator | **Acceptance Criteria** | |
| **Story:** View student list. |

* + 1. **Update a lecturer**

**Table 2.1.12:** *Update a lecturer (PB07.1).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** update information for lecturer **so that I** can update a name, degree and some information of lecturer. | | |
| **Update a lecturer** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * Displays the support buttons for show, random, delete and edit. * Information must be updated every day after a change has been made. * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** The moderator wants to update information for lecturer. |

* + 1. **View a lecturer**

**Table 2.1.13:** *View a lecturer (PB07.2).*

|  |  |  |
| --- | --- | --- |
| **As a Admin or Moderator or Lecturer or Student**  **I want to** view lecturer’s information | | |
| **View a lecturer** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Admin, Moderator, Lecturer, Student | **Acceptance Criteria** | |
| **Story:** view lecturer’s information. |

* + 1. **View lecturer list**

**Table 2.1.14:** *View lecturer list (PB07.3).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** view list lecturer was join execute a capstone **so that I** can check information of lecturer. | | |
| **View lecturer list** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * The Moderator can see all existing lecturer’s information in the system on the home screen. | |
| **Story:** View list lecturer was joined execute a capstone. |

* + 1. **Export lecturer list file**

**Table 2.1.15:** *Export lecturer list file (PB07.4).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** export file lecturer list **so that I** can share it for student. | | |
| **Export lecturer list file** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria** | |
| **Story:** Moderatorexport lecturer list file. |

* + 1. **View notification list**

**Table 2.1.16:** *View notification list (PB05.1).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** view list notification was created **so that** I can update notification | | |
| **View notification list** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * The moderator can see all existing information notification in the system on the screen. | |
| **Story:** Moderatorview notification list was created. |

* + 1. **Create a notification**

**Table 2.1.17:** *Create a notification (PB05.2).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** create an information **so that I** can inform plan or change for student and lecturer. | | |
| **Create a notification** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * Moderator wants to create an information. He/she must login to admin account. * Displays the support buttons for adding. * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** Moderator wants to create an information. |

* + 1. **Delete a notification**

**Table 2.1.18:** *Delete a notification (PB05.3).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** delete notification from notification list. | | |
| **Delete a notification** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Moderator | **Acceptance Criteria**   * Displays the support buttons for deleting and editing * Actor want to delete evaluator. * Actor want to a notification when I complete a task. * Information must be updated every day after a change has been made. * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** Moderator wants to delete a notification. |

* + 1. **Update a notification**

**Table 2.1.19:** *Update a notification (PB05.4).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** update notification a notification list. | | |
| **Update a notification** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Moderator | **Acceptance Criteria**   * Actor want to a notification when I complete a task. * Information must be updated every day after a change has been made * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** Moderator wants to update a notification. |

* 1. **Sprint 2**
     1. **Submit a topic for project**

**Table 2.2.1:** *Submit a topic for project(PB08.1).*

|  |  |  |
| --- | --- | --- |
| **As a student**  **I want to** submit a topic for their project **so that** lecturer, moderator can see topic for project. | | |
| **Submit a topic for project** | **Project: Senior Project Management System for International** | **Priority:** High |
| **Actor:** Student | **Acceptance Criteria**   * Input the topic and click the submit button. * The system will send a success message if valid. Opposite, the system must inform an error message. * Information must be updated every day after a change has been made. | |
| **Story:** The student wants to submit a topic for their project. |

* + 1. **Update a topic for project**

**Table 2.2.2:** *Update a topic for project (PB08.2).*

|  |  |  |
| --- | --- | --- |
| **As a Student**  **I want to** update information for topic **so that I** can update a title and description. | | |
| **Update a topic for project** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Student | **Acceptance Criteria**   * Topic isn’t approve by moderator | |
| **Story:** The student wants to update topic for project. |

* + 1. **Active topic for project**

**Table 2.2.3:** *Active topic for project(PB09.1).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** approve or reject topic of each team **so that s**tudent can know result topic. | | |
| **Active topic for project** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * Choose the topic and click the submit button or refuse. * The system will send a success message if valid. Opposite, the system must inform an error message. * Information must be updated every day after a change has been made | |
| **Story:** The moderator wants to approve or reject topic. |

* + 1. **View topic list of all group**

**Table 2.2.4:** *View topic list of all group (PB09.2).*

|  |  |  |
| --- | --- | --- |
| **As a Lecturer or Student or Moderator**  **I want to** view a list all topic submitted by groups **so that** I can check information of topic and a can active or reject a topic and comment for each topic. | | |
| **View topic list of all group** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Lecturer, moderator, student | **Acceptance Criteria**   * The actor can see all existing information topic in the system on the home screen. | |
| **Story:** The lecturer wants to view a list all topic submitted by groups. |
| **Story:** The student wants to view topic of my group. |

* + 1. **Create a group**

**Table 2.2.5:** *Create a group (PB08.1).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** assign student, lecturer to each group according to the rules **so that I** can manage member in each group. | | |
| **Create Group** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Moderator | **Acceptance Criteria**   * Generate notification of failed or successful processing. * Display error message when information is invalid. * Actors want to create the group lists assign member. * The group must be clear, with a lecturer, student and clear division of information. * Create notification of failure or success on processing. * Display error messages when the information is not valid. | |
| **Story:** The moderator wants to assign student, lecturer to each group according to the rules. |

* + 1. **Update a group**

**Table 2.2.6:** *Update a group (PB08.2).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** update information for each group **so that** I can remove or add new member for group. | | |
| **Update group** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * Choose right group, change account information. * Displays the support buttons for updating, deleting and editing. * Information must be updated every day after a change has been made. * The system will send a success message if valid. Opposite, the system must inform an error message. | |
| **Story:** The moderator wants to update information for each group. |

* + 1. **View a group**

**Table 2.2.7:** *View a group (PB08.3).*

|  |  |  |
| --- | --- | --- |
| **As a** Lecturer  **I want to** see detail a list group **so that** I can know member in my group and get information to contact. | | |
| **View a group** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Lecturer | **Acceptance Criteria**   * The actor chooses a group. I will be able to see details of the trip such as Full name, GPA, email, phone, note... | |
| **Story:** The lecturer wants to see detail a list group. |

* + 1. **View group list**

**Table 2.2.8:** *View group list (PB08.4).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** see list group **so that** I can check information each group. | | |
| **View group list** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * The actor can see all existing information in the system on the home screen. | |
| **Story:** The moderator wants to see list group. |

* + 1. **Export group list and project file**

**Table 2.2.9:** *Export group list and project file (PB08.5).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** export file include group and project information **so that I** can share it for student. | | |
| **Export group list and project file** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria** | |
| **Story:** Moderatorexport group list and project file. |

* + 1. **Upload template document**

**Table 2.2.10:** *Upload template document (PB11).*

|  |  |  |
| --- | --- | --- |
| **As an Admin**  **I want to** upload template document **so that** student can use it for capstone. | | |
| **Upload template document** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Admin | **Acceptance Criteria**   * The actor can see all existing information in the system on the home screen. | |
| **Story:** The admin wants upload template document. |

* + 1. **Upload template topic**

**Table 2.2.11:** *Upload template topic(PB12).*

|  |  |  |
| --- | --- | --- |
| **As a lecturer**  **I want to** upload template topic **so that student** can use it for capstone | | |
| **Upload template topic** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Lecturer | **Acceptance Criteria**   * The actor can see all existing information in the system on the home screen. | |
| **Story:** The Lecturer wants upload template topic. |

* 1. **Sprint 3**
     1. **Create stages and tasks**

**Table 2.3.1:** *Create stages and tasks(PB13).*

|  |  |  |
| --- | --- | --- |
| **As a student (leader)**  **I want to** create a stage for project **so that** I can manage and assign task for member. | | |
| **Create stages and tasks** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Student | **Acceptance Criteria** | |
| **Story:** student want to create a stage and task to assign for member in group. |

* + 1. **Report contribution**

**Table 2.3.2:** *Report contribution(PB4).*

|  |  |  |
| --- | --- | --- |
| **As a Mentor**  **I want** **to** see and evaluate work quality of each member **so** **that** I can evaluate a performance working of each member in group to give their score. | | |
| **Report contribution** | **Project: Senior Project Management System for International School** | **Priority:** Low |
| **Actor:** Mentor | **Acceptance Criteria**   * The actor chooses an id group. * Mentor have a group | |
| **Story:** The mentor wants to see and evaluate work quality of each member. |

* + 1. **Group contribution**

**Table 2.3.3:** *Group contribution(PB15).*

|  |  |  |
| --- | --- | --- |
| **As a student**  **I want to** aggregate the percentage of each **so that** I can evaluate a performance working of group. | | |
| **Group contribution** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Student (leader) | **Acceptance Criteria**   * Otherwise create a message about the processing failed. * Show error messages when the information is not valid. | |
| **Story:** The student (leader) wants to give a evaluate for each member of group. |

* + 1. **Create a defense**

**Table 2.3.4:** *Create a defense (PB16.1).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** create a defense and assign an evaluator for each group **so that the council** point for group’s project | | |
| **Create a defense** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Moderator | **Acceptance Criteria**   * The lecture’s defense time not duplicate. * The actor choose create | |
| **Story:** The moderator wants to create defense and assign evaluator for each group. |

* + 1. **View a defense**

**Table 2.3.5:** *View a defense (PB16.2).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator or Lecturer or Student**  **I want to** view a defense’s information **so that I** can know start time, location, assign a group. | | |
| **View a defense** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Moderator, Lecturer, Student | **Acceptance Criteria**   * The actor choose a defense. Application will display detail. | |
| **Story:** view a defense detail. |

* + 1. **View defense list**

**Table 2.3.6:** *View defense list (PB16.3).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** view defense list **so that I** can manage it. | | |
| **View defense list** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria** | |
| **Story:** View defense list. |

* + 1. **Export defense list file**

**Table 2.3.7:** *Export defense list file(PB16.4).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** export defense list file | | |
| **Export defense list file** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria** | |
| **Story:** Moderator want to export defense list file. |

* + 1. **Update a defense**

**Table 2.3.8:** *Update a defense (PB16.5).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** update information for each defense **so that** I can remove or add new member and change information for defense. | | |
| **Update a defense** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * The actor choose update button. * Defense is created. * Assign lecturer don’t duplicate the differ defense time. | |
| **Story:** Moderator want to update a defense. |

* + 1. **Delete a defense**

**Table 2.3.9:** *View defense list (PB16.6).*

|  |  |  |
| --- | --- | --- |
| **As a Moderator**  **I want to** delete a defense | | |
| **Delete a defense** | **Project: Senior Project Management System for International School** | **Priority:** Medium |
| **Actor:** Moderator | **Acceptance Criteria**   * The actor choose delete button. | |
| **Story:** Moderator want to delete a defense. |

* 1. **Sprint 4**
     1. **Submit student grade for lecturer**

**Table 2.4.1:** *Submit student grade for mentor (PB17).*

|  |  |  |
| --- | --- | --- |
| **As a Lecturer (Mentor)**  **I want to** Give a evaluate and grade for each member of group **so that** I can evaluate a performance working of group | | |
| **Submit student grade for lecturer** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Lecturer | **Acceptance Criteria**   * Actors choose the group they will to give a evaluate detail from the list. * If a detailed evaluate of that group appears, see it as approved. * Otherwise create a message about the processing failed. * Show error messages when the information is not valid. | |
| **Story:** The mentor gives a evaluate and grade for each member of group. |

* + 1. **Submit student grade for evaluator**

**Table 2.4.2:** *Submit student grade for evaluator (PB18).*

|  |  |  |
| --- | --- | --- |
| **As an Lecturer (evaluator)**  **I want to** see a report the grade of group **so that** I can check a final grade for each student. | | |
| **Report a grade of group** | **Project: Senior Project Management System for International School** | **Priority:** High |
| **Actor:** Lecturer (evaluator) | **Acceptance Criteria**   * Actors choose the group they will to give a score detail from the list. * If a detailed score of that group appears, see it as approved. * Otherwise create a message about the processing failed. * Show error messages when the information is not valid. | |
| **Story:** The moderator wants to see a report the grade of group. |