

**INTERNATIONAL SCHOOL**

**CAPSTONE PROJECT 1**

**CMU-SE 450**

**PROJECT PLAN DOCUMENT**

Version: 1.1

**FOOD MANAGEMENT SYSTEM – FMS**

**Mentor: Nguyen Dang Quang Huy**

***Team Member*:**

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Nguyen Tran Nam Khanh

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**Approved by Huy Nguyen Dang Quang**

**Project Plan Review Panel Representative:**

Name Signature Date

**Capstone Project 1- Mentor:**

Name Signature Date

Da Nang, 09/2022

**PROJECT INFORMATION**

|  |  |
| --- | --- |
| **Project Acronym** | FMS |
| **Project Title** | Food Management System | | | |
| **Start Date** | 17 – Aug –2022 | **End Date** | 12 – Dec –2022 | |
| **Lead Institution** | International School, Duy Tan University | | | |
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**PROJECT PLAN DOCUMENT**

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**SIGNATURE**

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| **Date:** |  |
| **Scrum master** | Nhan, Tran Van | **Signature:** |  |
| **Date:** |  |
| **ProDuct**  **Owner** | Tuan, Phan Anh | **Signature:** |  |
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| **Date:** |  |

**REVISION HISTORY**

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| --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** |
| **1.0** | All members | Aug 12th, 2022 | Draf |
| **1.1** | Nhan,Tran Van | Nov 25th, 2022 | Final |

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# 1. PROJECT DESCRIPTION

|  |  |  |  |
| --- | --- | --- | --- |
| **Project code** | FMS | **Contract type** | Internal Project |
| **Customer** | N/A | **End-user** | Management,  employee, kitchen staff of company |
| **Project type** | Internal | **Project Manager/**  **Scrum Master** | Nhan, Tran Van |
| **Project category** | food and personnel management | **Business Domain** | AI |
| **Application type** | Web Applcation |  |  |

***Table 1:*** *Project Description*

Food management is the management of employee meals in enterprises, industrial parks, etc. Meals need to be pre-quantified with the same standards and produced in large quantities, serving many people. people at the same time. Most of these meals will be produced from industrial kitchens in large quantities and high productivity. In addition, the meal management also includes the control of ingredients and the chef's processing process.

Food management software is a technology solution that helps businesses easily calculate raw materials, dish norms, and track food in and out daily. In addition, the software also helps kitchen staff know the number of employees who register for meals to process the right quantity, avoiding excess or shortage of meals.

## 2. DETAILED SCHEDULE

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Duration (Days)** | **Start** | **Finish** | **Assign to** |
| **1** | **Initial** | **2** | **26/02/2025** | **27/02/2025** | **Khanh, Nam, Vuong, Tu, Kien** |
| 1.1 | Project Kick-off Meeting | 1h | 26/02/2025 | 26/02/2025 | Khanh, Nam, Vuong, Tu, Kien |
| 1.2 | Discuss about project ideal | 2h | 26/02/2025 | 26/02/2025 | Khanh, Nam, Vuong, Tu, Kien |
| 1.3 | Create Proposal Document | 1 day | 27/02/2025 | 27/02/2025 | Khanh |
| 1.4 | Create Project Plan Document | 1 day | 27/02/2025 | 27/02/2025 | Nam |
| 1.5 | Create Product Backlog Document | 1 day | 27/02/2025 | 27/02/2025 | Vuong, Tu |
| 1.6 | Create User Story | 1 day | 27/02/2025 | 27/02/2025 | Kien |
| 1.7 | Review Document | 1 day | 27/02/2025 | 27/02/2025 | Khanh, Nam, Vuong, Tu, Kien |
| **2** | **Development** | **100** | **27/08/2022** | **4/12/2022** | **Nhan,Tuan,Huy,Huy** |
| **2.1** | **Sprint 1** | **25** | **27/08/2022** | **20/9/2022** | **Nhan,Tuan,Huy,Huy** |
| **2.1.1** | **Start Sprint 1** | **6** | **27/08/2022** | **1/09/2022** | **Nhan,Tuan,Huy,Huy** |
| 2.1.1.1 | Sprint Planning Meeting | 1 | 27/08/2022 | 27/08/2022 | Nhan,Tuan,Huy,Huy |
| 2.1.1.2 | Create Sprint backlog for Sprint 1 | 1 | 28/08/2022 | 28/08/2022 | Nhan |
| 2.1.1.3 | Create User Interface for sprint 1 | 1 | 28/08/2022 | 28/08/2022 | N.Huy |
| 2.1.1.4 | Create Test plan document for sprint 1 | 1 | 28/08/2022 | 28/08/2022 | H.Huy |
| 2.1.1.5 | Create Database document for Sprint 1 | 2 | 29/09/2022 | 30/09/2022 | Tuan,Nhan |
| 2.1.1.6 | Create Architecture Design document for sprint 1 | 2 | 31/08/2022 | 1/09/2022 | Tuan.Huy,Huy |
| **2.1.2** | **Design UI for sprint 1** | **2** | **2/09/2022** | **3/09/2022** | **Nhan,Tuan,Huy,Huy** |
| 2.1.2.1 | Design UI for the Login | 1 | 2/09/2022 | 2/09/2022 | N.Huy |
| 2.1.2.2 | Design UI for Logout | 1 | 2/09/2022 | 2/09/2022 | N.Huy |
| 2.1.2.3 | Design UI for the Homepage for Kitchen Part | 1 | 2/09/2022 | 2/09/2022 | N.Huy |
| 2.1.2.4 | Design UI for Manage Menu | 1 | 2/09/2022 | 2/09/2022 | H.Huy |
| 2.1.2.5 | Design UI for Supplier Management | 1 | 2/09/2022 | 2/09/2022 | H.Huy |
| 2.1.2.6 | Design UI for Material Magement | 1 | 3/09/2022 | 3/09/2022 | H.Huy |
| 2.1.2.7 | Design UI for Change Password | 1 | 3/09/2022 | 3/09/2022 | H.Huy |
| 2.1.2.8 | Design UI for View Registration | 1 | 3/09/2022 | 3/09/2022 | N.Huy |
| 2.1.2.9 | Design UI for View HomePage Admin | 1 | 3/09/2022 | 3/09/2022 | N.Huy |
| **2.1.3** | **Design Test Case for sprint 1** | **2** | **4/09/2022** | **5/09/2022** | **H.Huy** |
| **2.1.4** | **Code for sprint 1** | **11** | **6/09/2022** | **15/09/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.1.4.1 | UI for the Login | 1 | 6/09/2022 | 6/09/2022 | Nhan |
| 2.1.4.2 | UI for the Logout | 1 | 6/09/2022 | 6/09/2022 | Nhan |
| 2.1.4.3 | UI for the Homepage for Kitchen part | 1 | 6/09/2022 | 6/09/2022 | Tuan |
| 2.1.4.4 | UI for Manage Menu | 1 | 6/09/2022 | 6/09/2022 | Nhan |
| 2.1.4.5 | UI for Supplier Management | 1 | 6/09/2022 | 6/09/2022 | Nhan |
| 2.1.4.6 | UI for Material Management | 1 | 7/09/2022 | 7/09/2022 | Tuan |
| 2.1.4.7 | UI for Change Password | 1 | 7/09/2022 | 7/09/2022 | Tuan |
| 2.1.4.8 | UI for View Registration | 1 | 7/09/2022 | 7/09/2022 | Nhan |
| 2.1.4.9 | UI for Homepage Admin | 1 | 7/09/2022 | 7/09/2022 | N.Huy |
| 2.1.4.10 | [Back-end] Login | 1 | 8/09/2022 | 8/09/2022 | Nhan |
| 2.1.4.11 | [Back-end] Logout | 1 | 8/09/2022 | 8/09/2022 | Nhan |
| 2.1.4.11 | [Back-end] Change Password | 1 | 8/09/2022 | 8/09/2022 | Nhan |
| 2.1.4.12 | [Back-end] Supplier Management | 2 | 9/09/2022 | 10/09/2022 | Tuan |
| 2.1.4.13 | [Back-end] Material Management | 2 | 11/09/2022 | 12/09/2022 | N.Huy |
| 2.1.4.13 | [Back-end] View Registration | 2 | 13/09/2022 | 14/09/2022 | Tuan |
| 2.1.4.14 | [Back-end] Homepage Admin | 1 | 15/09/2022 | 15/09/2022 | N.Huy |
| **2.1.5** | **Integration for sprint 1** | **1** | **16/09/2022** | **16/09/2022** | **Tuan,Nhan** |
| **2.1.6** | **Testing for sprint 1** | **2** | **17/09/2022** | **18/09/2022** | **Tuan,H.Huy** |
| **2.1.7** | **Sprint 1 Review Meeting** | **1** | **19/10/2022** | **19/10/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.1.8** | **Release Sprint 1** | **1** | **20/09/2022** | **20/09/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.2** | **Sprint 2** | **25** | **21/9/2022** | **15/10/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.2.1** | **Initial Sprint 2** | **6** | **21/09/2022** | **26/09/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.2.1.1 | Sprint Planning Meeting | 1 | 21/09/2022 | 21/09/2022 | Tuan,Nhan.Huy,Huy |
| 2.2.1.2 | Create Sprint backlog for Sprint 2 | 1 | 22/09/2022 | 22/09/2022 | Tuan,Nhan |
| 2.2.1.3 | Create User Interface for sprint 2 | 1 | 22/09/2022 | 22/09/2022 | Huy |
| 2.2.1.4 | Create Test Plan document for Sprint 2 | 1 | 23/09/2022 | 23/09/2022 | Tuan,Nhan.Huy,Huy |
| 2.2.1.5 | Create Database document for Sprint 2 | 1 | 24/09/2022 | 24/09/2022 | Tuan,Nhan |
| 2.2.1.6 | Create Architecture document for Sprint 2 | 2 | 25/09/2022 | 26/09/2022 | Tuan,Nhan.Huy,Huy |
| **2.2.2** | **Design UI for sprint 2** | **1** | **27/09/2022** | **27/09/2022** | **Huy,Huy** |
| 2.2.2.1 | Design Management Account | 1 | 27/09/2022 | 27/09/2022 | H.Huy |
| 2.2.2.2 | Design UI Management Employee | 1 | 27/09/2022 | 27/09/2022 | H.Huy |
| 2.2.2.3 | Design UI for Manage Department | 1 | 27/09/2022 | 27/09/2022 | N.Huy |
| 2.2.2.4 | Design UI for Face Pattern Management | 1 | 27/09/2022 | 27/09/2022 | N.Huy |
| **2.1.3** | **Design Test Case for sprint 2** | **2** | **28/09/2022** | **29/09/2022** | **H.Huy** |
| **2.2.4** | **Code for sprint 2** | **11** | **30/09/2022** | **10/10/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.2.4.1 | UI for Management Account | 1 | 30/09/2022 | 30/09/2022 | Nhan |
| 2.2.4.2 | UI for Management Employee | 1 | 30/09/2022 | 30/09/2022 | Nhan |
| 2.2.4.3 | UI for Management Department | 1 | 1/10/2022 | 1/10/2022 | N.Huy |
| 2.2.4.4 | UI for Management Face Pattern | 1 | 1/10/2022 | 1/10/2022 | N.Huy |
| 2.2.4.5 | [Back-end] Login for Admin | 1 | 2/10/2022 | 2/10/2022 | Nhan |
| 2.2.4.6 | [Back-end] Logout for Admin | 1 | 2/102022 | 2/10/2022 | Nhan |
| 2.2.4.7 | [Back-end] Management Account | 2 | 3/10/2022 | 4/10/2022 | Nhan |
| 2.2.4.8 | [Back-end] Management Employee | 2 | 5/10/2022 | 6/10/2022 | Tuan |
| 2.2.4.9 | [Back-end] Management Department | 2 | 7/10/2022 | 8/10/2022 | N.Huy |
| 2.2.4.10 | [Back-end] Management Face Pattern | 2 | 9/10/2022 | 10/10/2022 | H.Huy |
| **2.2.5** | **Integration for sprint 2** | **1** | **11/10/2022** | **11/10/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.2.6** | **Testing for sprint 2** | **2** | **12/2022** | **13/10/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.2.7** | **Sprint 1 Review Meeting** | **1** | **14/10/2022** | **14/10/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.2.8** | **Release Sprint 2** | **1** | **15/10/2022** | **15/10/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.3** | **Sprint 3** | **25** | **16/10/2022** | **9/11/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.3.1** | **Initial Sprint 3** | **6** | **16/10/2022** | **21/10/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.3.1.1 | Sprint Planning Meeting | 1 | 16/10/2022 | 16/10/2022 | All Members |
| 2.3.1.2 | Create Sprint backlog for Sprint 3 | 1 | 17/10/2022 | 17/10/2022 | Nhan |
| 2.3.1.3 | Create User Interface for sprint 3 | 1 | 17/10/2022 | 17/10/2022 | N.Huy |
| 2.3.1.4 | Create Test Plan document for Sprint 3 | 1 | 18/10/2022 | 18/10/2022 | H.Huy |
| 2.3.1.5 | Create Database document for Sprint 3 | 1 | 19/10/2022 | 19/10/2022 | Tuan,Nhan |
| 2.3.1.6 | Create Architecture document for Sprint 3 | 2 | 20/10/2022 | 21/10/2022 | Tuan, Huy,Huy |
| **2.3.2** | **Design UI for sprint 3** | **2** | **22/10/2022** | **23/10/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.3.2.1 | Design UI for Manager Homepage | 1 | 22/10/2022 | 22/10/2022 | H.Huy |
| 2.3.2.2 | Design UI for Profile Management | 1 | 22/10/2022 | 22/10/2022 | H.Huy |
| 2.3.2.3 | Design UI for Manage WorkShift | 1 | 22/10/2022 | 22/10/2022 | N.Huy |
| 2.3.2.4 | Design UI for Timekeeping | 1 | 23/10/2022 | 23/10/2022 | N.Huy |
| 2.3.2.5 | Design UI for Report Statistics | 1 | 23/10/2022 | 23/10/2022 | N.Huy |
| **2.3.3** | **Design Test Case for sprint 3** | **2** | **24/10/2022** | **25/10/2022** | **H.Huy,N.Huy** |
| **2.3.4** | **Coding for sprint 3** | **11** | **26/10/2022** | **4/11/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.2.3.1 | UI for Manager Homepage | 1 | 26/10/2022 | 26/10/2022 | Nhan |
| 2.2.3.2 | UI for Profile Management | 1 | 26/10/2022 | 26/10/2022 | Nhan |
| 2.2.3.3 | UI for Management WorkShift | 1 | 26/10/2022 | 26/10/2022 | N.Huy |
| 2.2.3.4 | UI for Timekeeping | 1 | 27/10/2022 | 27/10/2022 | N.Huy |
| 2.2.3.5 | UI for Report Statistics | 1 | 27/10/2022 | 27/10/2022 | N.Huy |
| 2.2.3.6 | [Back End] Login for Manager | 1 | 28/10/2022 | 28/10/2022 | Nhan |
| 2.2.3.7 | [Back End] Logout for Manager | 1 | 28/10/2022 | 28/10/2022 | Nhan |
| 2.2.3.8 | [Back End] Manager Homepage | 1 | 29/10/2022 | 29/10/2022 | Tuan |
| 2.2.3.9 | [Back End] Profile Management | 1 | 30/10/2022 | 30/10/2022 | Tuan |
| 2.2.3.10 | [Back End] Management WorkShift | 2 | 31/10/2022 | 1/10/2022 | Tuan |
| 2.2.3.15 | [Back End] Timekeeping | 1 | 2/11/2022 | 2/11/2022 | H.Huy |
| 2.2.3.16 | [Back End] Report Statistics | 2 | 3/11/2022 | 4/11/2022 | N.Huy |
| **2.3.5** | **Integration for sprint 3** | **1** | **5/11/2022** | **5/11/2022** | **Tuan,Nhan,Huy,Huy** |
| **2.3.6** | **Testing for sprint 3** | **2** | **6/11/2022** | **7/11/2022** | **Tuan,H.Huy,N.Huy** |
| **2.3.7** | **Sprint 1 Review Meeting** | **1** | **8/11/2022** | **8/11/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.3.8** | **Release Sprint 3** | **1** | **9/11/2022** | **9/11/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.4** | **Sprint 4** | **25** | **10/11/2022** | **4/12/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.4.1** | **Initial Sprint 4** | **6** | **10/11/2022** | **15/11/2022** | **Tuan,Nhan.Huy,Huy** |
| 2.4.1.1 | Sprint Planning Meeting | 1 | 10/11/2022 | 10/11/2022 | Tuan,Nhan.Huy,Huy |
| 2.4.1.2 | Create Sprint backlog for Sprint 4 | 1 | 11/11/2022 | 11/11/2022 | Nhan |
| 2.4.1.3 | Create User Interface for sprint 3 | 1 | 11/11/2022 | 11/11/2022 | N.Huy |
| 2.4.1.4 | Create Test Plan document for Sprint 4 | 1 | 12/11/2022 | 12/11/2022 | H.Huy |
| 2.4.1.5 | Create Database document for Sprint 4 | 1 | 13/11/2022 | 13/11/2022 | Tuan,Nhan |
| 2.4.1.6 | Create Architecture document for Sprint 4 | 2 | 14/11/2022 | 15/11/2022 | Tuan, Huy,Huy |
| **2.4.2** | **Design UI** | **2** | **16/11/2022** | **17/11/2022** | **Tuan,Nhan,Huy,Huy** |
| 2.4.2.1 | Design UI for Food Regisstration | 1 | 16/11/2022 | 16/11/2022 | N.Huy |
| 2.4.2.2 | Design UI for View Menu | 1 | 16/11/2022 | 16/11/2022 | N.Huy |
| 2.4.2.3 | Design UI for Personal Profile | 1 | 17/11/2022 | 17/11/2022 | N.Huy |
| 2.4.2.4 | Design UI for Receive Bill | 1 | 17/11/2022 | 17/11/2022 | H.Huy |
| 2.4.2.5 | Design UI for Face Recognition | 1 | 17/11/2022 | 17/11/2022 | H.Huy |
| **2.4.3** | **Design Test Case** | **2** | **18/11/2022** | **19/11/2022** | **H.Huy,N.Huy** |
| **2.4.4** | **Coding** | **11** | **20/11/2022** | **29/11/2022** | **Tuan,Nhan,Huy,Huy** |
| 2.4.4.1 | UI for Food Regisstration | 1 | 20/11/2022 | 20/11/2022 | Nhan |
| 2.4.4.2 | UI for View Menu | 1 | 20/11/2022 | 20/11/2022 | Nhan |
| 2.4.4.3 | UI for Personal Profile | 1 | 21/11/2022 | 21/11/2022 | N.Huy |
| 2.4.4.4 | UI for Receive Bill | 1 | 21/11/2022 | 21/11/2022 | Huy |
| 2.4.4.5 | UI for Face Recognition | 1 | 21/11/2022 | 21/11/2022 | Tuan |
| 2.4.4.6 | [Back End] Login for Staff | 1 | 22/11/2022 | 22/11/2022 | Nhan |
| 2.4.4.7 | [Back End] Logout for Staff | 1 | 22/11/2022 | 22/11/2022 | Nhan |
| 2.4.4.8 | [Back End] Food Regisstration | 1 | 22/11/2022 | 22/11/2022 | Tuan |
| 2.4.4.9 | [Back End] View Menu | 2 | 22/11/2022 | 23/11/2022 | Tuan |
| 2.4.4.10 | [Back End] Personal Profile | 2 | 24/11/2022 | 25/11/2022 | Tuan |
| 2.4.4.11 | [Back End] Receive Bill | 2 | 26/11/2022 | 27/11/2022 | N.Huy |
| 2.4.4.12 | [Back End] Face Recognition | 2 | 28/11/2022 | 29/11/2022 | Tuan,Nhan |
| **2.4.5** | **Integration for sprint 4** | **1** | **30/11/2022** | **30/11/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.4.6** | **Testing** | **2** | **1/12/2022** | **2/12/2022** | **Tuan,H.Huy,N.Huy** |
| **2.4.7** | **Sprint 1 Review Meeting** | **1** | **3/12/2022** | **3/12/2022** | **Tuan,Nhan.Huy,Huy** |
| **2.4.8** | **Release Sprint 4** | **1** | **4/12/2022** | **4/12/2022** | **Tuan,Nhan.Huy,Huy** |
| **3** | **Close Project** | **2** | **5/12/2022** | **6/12/2022** | **Tuan,Nhan.Huy,Huy** |
| 3.1 | Release | 1 | 7/12/2022 | 7/12/2022 | **Tuan,Nhan.Huy,Huy** |
| 3.2 | Project Meeting | 1 | 8/12/2022 | 8/12/2022 | **Tuan,Nhan.Huy,Huy** |
| 3.3 | Final Submission | 1 | 9/12/2022 | 9/12/2022 | **Tuan,Nhan.Huy,Huy** |
|  | **Duration** | **112** | **20/08/2022** | **9/12/2022** | **Tuan,Nhan.Huy,Huy** |

***Table 10:*** *detail schedule*

**3. REFERENCES**

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2. [https://www.cprime.com/resources/whatis-agile-what-is-scrum/](https://www.cprime.com/resources/what-is-agile-what-is-scrum/)
3. <https://www.agilealliance.org/agile101/>
4. <https://fnb.mysapo.vn/admin/authorization/login>
5. <https://phanmemtinhluong.com/phan-mem-quan-ly-suat-an-cong-nghiep/>