

CS400: IT Management and Entrepreneurship

Sprint #2

Semester: First Semester

DEPARTMENT: COMPUTER SCIENCE

LEVEL: YR4

Group Name: Agile Minds

Group Members:

Name	ID
Mohamed Kamara	9020
Mohamed Kabia	7922
Elsie Doris Bangura	7310
Anthony Idrissa Kamara	8140
Sahr Solomon Moiwa	8351
Kadijatu Ibrahim Jalloh	7878
Abdul Karim Koroma	6991

COORDINATOR: ELSIE DORIS
BANGURA

SUBMISSION DATE: 18 December

Team Coordination and Task Assignments

Assignee	ID	Email	Task	Duration (Days)	Dependency	Due Date	Notes/Peer Evaluation
Elsie Doris Bangura	7310	elsiebangura3@gmail.com	Team Coordination, GitHub Management	7	None	12/18/2024	Act as the team lead, ensure all tasks align, and manage the project's GitHub repository effectively. 92%
Mohamed Kamera	9020	programmerkamera@gmail.com	Work Breakdown Structure (WBS)	4	GitHub Setup (Elsie Doris)	12/18/2024	Create a detailed WBS with timelines and dependencies for project tasks. Provide clarity for all team members. 90%

Mohamed Kabia	7922	kabiamohammed15@gmail.com	Sprint 1 Task Management (Jira Setup)	3.5	WBS Completion	12/18/2024	Organize Sprint 1 tasks and manage workflow on Jira, ensuring proper tracking and assignment. 50%
Anthony Idrissa Kamaara	8140	anthonykamata000@gmail.com	Sprint 2 Task Management (Jira Updates)	3.5	Sprint 1 Task Management	12/18/2024	Manage Sprint 2 tasks and ensure seamless handover from Sprint 1 tasks in Jira. 50%
Sahr Solomon Moiwaa	8351		Project Documentation (Full Report)	5.5	WBS Completion	12/18/2024	Compile project details into a well-structured document, including planning

							g, require ments, and delivera bles. 65%
Kadija tu Ibrahi m Jalloh	78 78	kbrahimjalich@gmail. com	Problem Statemen t Finalizati on	4	None	12/18/ 2024	Write a clear and concise problem stateme nt for the project. Refine based on team input. 70%
Abdul Karim Koro ma	6	abdulkarimkoroma84 3@gmail.com	System Require ments & Architect ure Design	5	WBS Comple tion	12/18/ 2024	Define high- level system require ments and architec ture, ensurin g project feasibilit y and clarity. 75%

3. Problem Statement

3.1 Overview

This section provides a clear and concise description of the problem the project addresses. The problem in this case is the inefficiency in agriculture store and inventory management. There is a lack of an organized system to streamline workflows, manage tasks, and facilitate seamless collaboration among stakeholders such as farmers, FROs (Field Resource Officers), and storekeepers.

3.2 Problem Scope

Key Aspects: The project focuses on automating inventory management, order processing, and reporting.

Stakeholders: Farmers, FROs, Storekeepers, Admin users.

Boundaries: The project will not include integration with external third-party systems or advanced AI-based forecasting.

Problem Statement:

The purpose of this project is to create a management system to streamline workflows, improve documentation, and facilitate seamless collaboration between team members during project development.

4. System Requirements

4.1 Functional Requirements

The system should allow farmers to log in, view inventory, and request fertilizers.

Admin users should be able to manage inventory, approve requests, and generate reports.

4.2 Non-Functional Requirements

The system should load within 2 seconds for all users on a stable network.

The system should handle at least 500 concurrent users.

4.3 High-Level Architecture Design

The high-level architecture of the system will consist of a frontend React application that communicates with a Django backend via RESTful APIs. The database (e.g., MySQL) will store data on users, inventory, orders, and reports.

5. Appendix

5.1 Screenshots

The top screenshot shows the Jira Software interface for 'SPRINT-2'. The 'Sprint Report' is displayed, showing a table of completed issues. The table has columns for Key, Summary, Issue Type, Priority, Status, and Story Points (-). The issues listed are SP1-11 through SP1-17, all with a status of 'DONE'.

Key	Summary	Issue Type	Priority	Status	Story Points (-)
SP1-11	Team Coordinator GitHub Management	Story	Medium	DONE	-
SP1-12	WBS FOR Sprint-2	Story	Medium	DONE	-
SP1-13	Sprint-1 Task management Jira Updates	Story	Medium	DONE	-
SP1-14	Sprint-2 Task Management Jira Updates	Story	Medium	DONE	-
SP1-15	Project Documentation	Story	Medium	DONE	-
SP1-16	Problem Statement Finalization	Story	Medium	DONE	-
SP1-17	System Design and Architect	Story	Medium	DONE	-

The bottom screenshot shows the Jira Software interface for 'SP1 Sprint 2'. The board is displayed, showing a Kanban board with columns for 'TO DO', 'IN PROGRESS', and 'DONE'. The 'DONE' column contains two issues: SP1-15 (Project Documentation) and SP1-14 (Sprint-2 Task Management Jira Updates). A detailed view of the task 'SPRINT-1 / SP1-14' is shown on the right, including the title, estimate, description, and a comment section.

Jira Software

Dashboards
Projects
Issues
Boards
Plans
Create

Search

9 days remaining
Complete sprint
Board

SPRINT-2

SP1 Sprint 2

Our goal is to finalizes what was discuss in sprint 1

QUICK FILTERS:
Only My Issues
Recently Updated

TO DO

IN PROGRESS

DONE

SPRINT-1 / SP1-14

Sprint-2 Task Management Jira Updates

Estimate: Unestimated

Created: 11 minutes ago

Updated: Just now

Description

Add a comment...

Pro tip: press m to comment

Jira Software

Dashboards
Projects
Issues
Boards
Plans
Create

Search

9 days remaining
Complete sprint
Board

SPRINT-2

SP1 Sprint 2

Our goal is to finalizes what was discuss in sprint 1

QUICK FILTERS:
Only My Issues
Recently Updated

TO DO

IN PROGRESS

DONE

Jira Software

Dashboards
Projects
Issues
Boards
Plans
Create

Search

Board

SPRINT-2

Sprint Report

Switch report

Status Report

Completed Issues

View in Issue navigator

Key	Summary	Issue Type	Priority	Status	Story Points (-)
SP1-4	wbs	Story	Medium	DONE	-
SP1-5	setup Github	Story	Medium	DONE	-
SP1-6	Create trello Board for Task Management	Story	Medium	DONE	-
SP1-7	Summarize Team Work Basics	Story	Medium	DONE	-
SP1-8	Define project topic and system requirement	Story	Medium	DONE	-
SP1-9	Write problem Statement	Story	Medium	DONE	-
SP1-10	Report Writing	Story	Medium	DONE	-

Jira Software

SP1 board

SP1 Sprint 1

to complete

QUICK FILTERS: Only My Issues Recently Updated

9 days remaining Complete sprint Board

TO DO

IN PROGRESS

DONE

- setup Github
- SP1-6 Create trello Board for Task Management
- SP1-7 Summarize Team Work Basics
- SP1-8 Define project topic and system requirement
- SP1-9 Write problem Statement

SPRINT-1 / SP1-9

Write problem Statement

Estimate: Unestimated

Assign to me

Dates

Created: 11 minutes ago

Updated: Just now

Description

Click to add description

Comments

Add a comment...

Pro tip: press **m** to comment

Jira Software

SP1 board

SP1 Sprint 1

to complete

QUICK FILTERS: Only My Issues Recently Updated

9 days remaining Complete sprint Board

TO DO

IN PROGRESS

DONE

- setup Github
- SP1-6 Create trello Board for Task Management
- SP1-7 Summarize Team Work Basics
- SP1-8 Define project topic and system requirement
- SP1-9 Write problem Statement

SPRINT-1 / SP1-9

Write problem Statement

Estimate: Unestimated

Assign to me

Dates

Created: 11 minutes ago

Updated: Just now

Description

Click to add description

Comments

Add a comment...

Pro tip: press **m** to comment

Jira Software

SP1 board

SP1 Sprint 1

to complete

QUICK FILTERS: Only My Issues Recently Updated

9 days remaining Complete sprint Board

TO DO

IN PROGRESS

DONE

- SP1-4 wbs
- SP1-5 setup Github
- SP1-6 Create trello Board for Task Management
- SP1-7 Summarize Team Work Basics
- SP1-8 Define project topic and system requirement

SPRINT-1 / SP1-4

wbs

Estimate: Unestimated

Assign to me

Dates

Created: 12 minutes ago

Updated: 1 minute ago

Description

Click to add description

Comments

Add a comment...

Pro tip: press **m** to comment

5.2 GitHub Link

<https://github.com/programmerkamara/AgricultureInventoryandStoreManagement/blob/main/README.md>