

MAKERERE



UNIVERSITY

EMERGING TRENDS IN SOFTWARE ENGINEERING

BSSE YR4 COURSEWORK

WEEKLY TASKS

- **Week 1** [Ending 20th Sept 2024]: Project Setup and Version Control
- **Week 2** [ending 27th Sept 2024]: Setting Up Continuous Integration (CI)
- **Week 3** [ending 4th Oct 2024]: Continuous Deployment to Staging
- **Week 4** [ending 11th Oct 2024]: Production Deployment and Monitoring
- **Week 5** [ending 18th Oct 2024]: Optimization, Documentation, and Presentation

GROUP MEMBERS

NAME	STUDENT NO.	REG. NO.
APARO CECILIA	2100705605	21/U/05605/EVE
BYANSI ANTHONY	2100700006	21/U/0006
MASEMBE SENDI	2100717978	21/U/17978/EVE
OCHIENG DEVOTE BONIFACE	2100706323	21/U/06323/EVE

WEEK 1

Objectives:

- Select a simple web application (existing or newly developed).
 - Set up version control with a Git repository.
 - Collaborate using GitHub, GitLab, or Bitbucket.
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1. Web Application Selection

We selected a web application that is designed using HTML, CSS, Blade, PHP, JavaScript, and VUE.js. This combination was chosen due to its ease of development and scalability. The application allows users to register, log in and manage simple tasks. Alternatively, a new web application was developed to meet the requirements of the project.

Application Features:

- Frontend: HTML, CSS, JavaScript, Vue.js
 - Backend: PHP, Blade templating
 - Database: MySQL
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2. Version Control Setup

To manage the version control of the project, we initialized a **Git repository** using the following steps:

Initialized Git Repository: The repository was created directly on GitHub and then accessed locally using Git commands. The repository name is structured as **Capstone-Project-BSE4101-24-Employee-management-system**

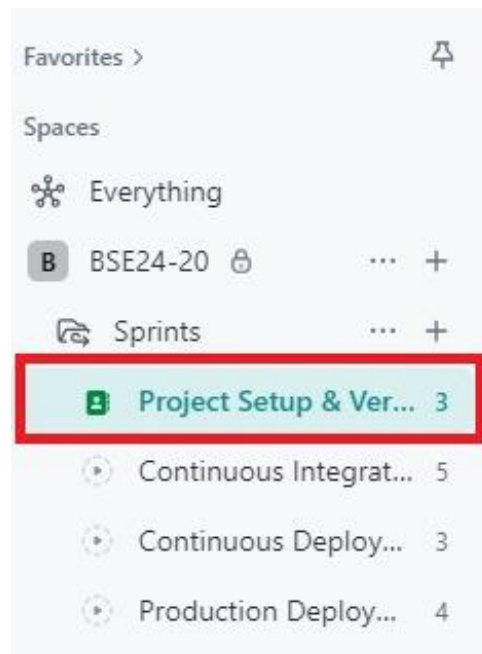
Remote Repository Setup: The repository was shared among the team members on GitHub, allowing everyone to collaborate by pushing code changes, reviewing pull requests, and tracking progress.

README.md: A basic README.md file was created to document the initial setup showing the general overview of the system, including features , tech-stack and the instructions on installing the system locally on a machine.

3. ClickUp Setup

A **ClickUp workspace** was created to manage project tasks and assign responsibilities for all weekly activities. The following tasks were created and assigned to the team members:

- **Task 1:** Setting up the Git repository (Assigned to Masembe Sendi)
- **Task 2:** Setting ClickUp workspace and assigning tasks (Handled by Byansi Anthony)
- **Task 3:** Selecting web based built system to use (Assigned to Ochieng Devote Boniface)
- **Task 4:** Writing week 1 report(Assigned to Aparo Cecilia)



	NAME		EMAIL	ROLE	LAST ACTIVE	SETTINGS
AB	Anthony Byansi	OWNER	byansianthony@gmail.com	Owner	Sep 17	...
AC	APARO CECILIA		aparocecilia930@gmail.com	Member	Sep 18	...
KV	Kasozi Vincent		vincent.kasozi@ext.semicrol.com	Member	Sep 17	...
OD	Ochieng Devote		ochiengdevote@gmail.com	Member	Sep 18	...
P	proseitug.devs@gmail.com		kougaus@gmail.com	Member	Sep 18	...

BSE24-20 / Sprints / Project Setup & Version Control

Ask AI Share Automations

Status BoardTasks ListWorkloadGantt+ View

Search Hide CustomizeAdd Task

Group: StatusSubtasks: Collapse allFiltersSortMe modeAssigneesShow closedHide

Search tasks...

BACKLOG 0+ Add Task

TO DO 1+ Add Task

Write a 1-2 page report on the setup process
In Project Setup & Version Control
AC
Fri
High

IN PROGRESS 1+ Add Task

Set Up Version Control
In Project Setup & Version Control
OD
Fri
Urgent

DONE 3+ Add Task

Create ClickUp workspace and project structure
In Project Setup & Version Control
AB
Yesterday
Urgent

Select the Web Application
In Project Setup & Version Control
SJ
2 days ago
Normal

Setup Repository
In Project Setup & Version Control