# IMG_256

# ****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**

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| --- | --- | --- |
| **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.

### ****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, JavasScript, Vue.js
* Backend: PHP, Blade templating
* Database: MySQL

### ****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](https://github.com/Masembe0757/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)



