**Weekly Progress Report Template**

Project Title: Flexi-Craft

Group ID: 2021-CS-09, 2021-CS-11, 2021-CS-41

Student Name: Ayesha Nadeem, Yahya Mirza, Muhammad Hamza

Supervisor Name: Sir Atif Hussain Warraich

Week Number: 11

Date: 11/17/2024

Supervisor Comment and Sign:



#### ****Summary of Work Done****

* **Frontend Development:**
  + Yahya has successfully integrated the **'export to code'** functionality, allowing users to generate editable React components from templates.
  + Ayesha continues to work on refining **pre-built components** that will be included in the templates library for ease of use.
  + Hamza has begun the **integration** of the **AI model** with the backend while continuing to process and prepare data for model training.
* **Integration Planning:**
  + The team has started integrating individual components. Discussions are underway to combine the **landing page**, **editable templates**, and **AI model** into a single cohesive platform.

#### ****Challenges Faced****

* **Integration Complexity:**
  + The integration of different work streams (frontend, backend, AI) has proven to be more complex than initially anticipated, especially in syncing data between systems.
* **Dataset Issues:**
  + Handling large datasets for training the AI model remains a challenge, particularly in terms of data efficiency and structure compatibility.

#### ****Solutions or Workarounds****

* **Data Handling:**
  + The team is continuing to restructure the data, focusing on converting it into **parquet** format to streamline AI model training and integration.
* **Team Collaboration:**
  + Regular meetings are ensuring the team stays aligned and proactive about integration tasks.

#### ****Tasks Planned for Next Week****

* **Continued Integration:**
  + Prioritize integrating Ayesha’s landing page with Yahya’s editable templates and Hamza’s AI model fine-tuning.
* **AI Model Refinement:**
  + Continue to fine-tune the model for better prediction accuracy and performance.
* **Collaborative Editing Feature:**
  + Begin implementation of the collaborative editing features to allow multiple users to work on templates simultaneously.

#### ****Progress Against Timeline****

* The project is progressing according to schedule. Frontend, backend, and AI tasks are advancing in parallel, with the integration phase currently underway.

#### ****Additional Notes****

* No additional resources are required at this time.