**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: 09

Date: 11/2/2024

Supervisor Comment and Sign:



**1. Summary of Work Done**

Frontend Development: Ayesha completed the landing page, sign-in, and sign-up functionalities, enhancing user navigation and engagement on the platform. Yahya has been working on the editable templates, ensuring they are user-friendly and easily customizable. Hamza has focused on refining the dataset for model tuning, which will ultimately improve the performance of our machine learning models.

Integration Planning: Discussions were held regarding how to integrate the individual components effectively. The flat-panel UI will provide a consistent visual framework, allowing seamless integration of the landing page, authentication features, editable templates, and pre-built components.

**2. Challenges Faced**

Integration Complexity: Coordinating the integration of various components presents challenges, particularly ensuring compatibility between the front-end features and the model's backend functionalities.

Dataset Structure: The ongoing efforts to filter and structure the dataset remain a challenge, as the large size and complexity hinder straightforward manipulation and integration into our models.

**3. Solutions or Workarounds**

Dataset Structuring: Continued emphasis on filtering and restructuring the dataset into a parquet format for more efficient handling, with plans to convert the dataset to JSON for easier integration with our applications.

Collaboration and Communication: Regular team meetings are scheduled to align on integration efforts, ensuring that all members are updated and can address any potential roadblocks early in the process.

**4. Tasks Planned for Next Week**

Integration of Individual Works: We will integrate Ayesha’s landing page, sign-in, and sign-up functionalities with Yahya's editable templates and Hamza's model tuning. The flat-panel UI will serve as the cohesive design framework, facilitating a unified user experience. This integration will include connecting the pre-built components with the editable templates to enhance usability and functionality.

Refinement of Model Fine-Tuning: Continue refining the fine-tuning process to further improve the model's output quality.

Implementation of Collaborative Editing: Start integrating collaborative editing functionalities to enhance utility for teams working on web templates.

Built-in Components: Begin work on developing a components library/pre-built components for easier assembly of templates.

**5. Progress Against Timeline**

We are currently on track with the project timeline. Two tasks are running in parallel, focusing on the confluence of requirements and the targets outlined in the Gantt Chart.

**6. Additional Notes**

No additional resources are required at this time.