Project Title

Group Name

BCP104 – Programming with Python

Department of Computer Science

Accra Technical University

Date: September 17, 2025

Group Members

Name	Index Number	Contribution
Alice	BCP104/21/001	Designed frontend templates, implemented login feature
Bob	BCP104/21/002	Wrote database models, handled Flask routes
Carol	BCP104/21/003	Testing, documentation, bug fixing

Introduction

The bullets below provide guidance. It does not mean the work must be in bullet points.

- Brief overview of the project (what the app does).
- Problem statement (what issue it solves).
- Project objectives.

Requirements

Functional Requirements

- List of key features (e.g., user login, posting messages, saving data).

Non-Functional Requirements

- Qualities/constraints (e.g., usability, performance, browser compatibility).

System Overview

- Short description of main features.
- Target users / use cases.
- Screenshots of the app (optional).

Technical Design

- Architecture diagram (frontend - backend - database).
- Main modules/components.
- Explanation of how they interact.
- Flowcharts and pseudocode may be useful here to better explain things

Technologies Used

- Python version and libraries/frameworks (Flask, Django, etc.).
- Other technologies (HTML/CSS/JS, database, APIs).
- Why these tools were chosen.

Implementation Details

- Core Python logic (e.g., routing, forms, database access).
- Challenges faced.
- How they were solved.

Testing & Evaluation

- Methods used to test the app (manual test cases, screenshots).
- Bugs/limitations identified.

Conclusion & Future Work

- What the student learned.
- Features to improve/add in the future.

References

- Websites, books, or tutorials consulted.

Length: Approx. 5 pages. Even with screenshots MUST NOT EXCEED 10 PAGES