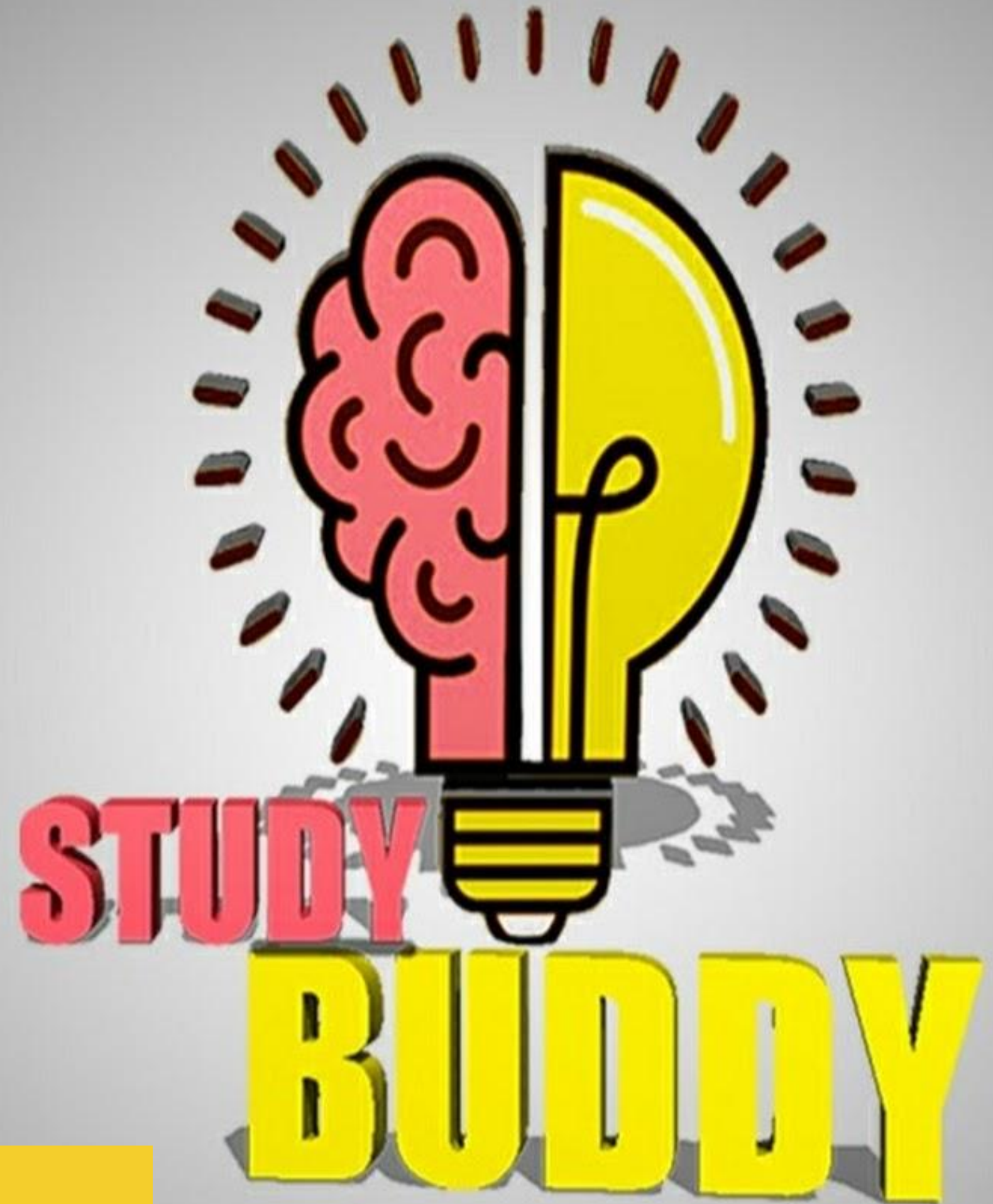# Study Buddy

By Divya Sundar, Khushi Maheshwari,
Viven Puthenpurayil, Zuhair Ali

CS222 Final Presentation

Agenda

- INTRODUCTION

- TECHNICAL ARCHITECTURE

- DEMO OF PROGRAM

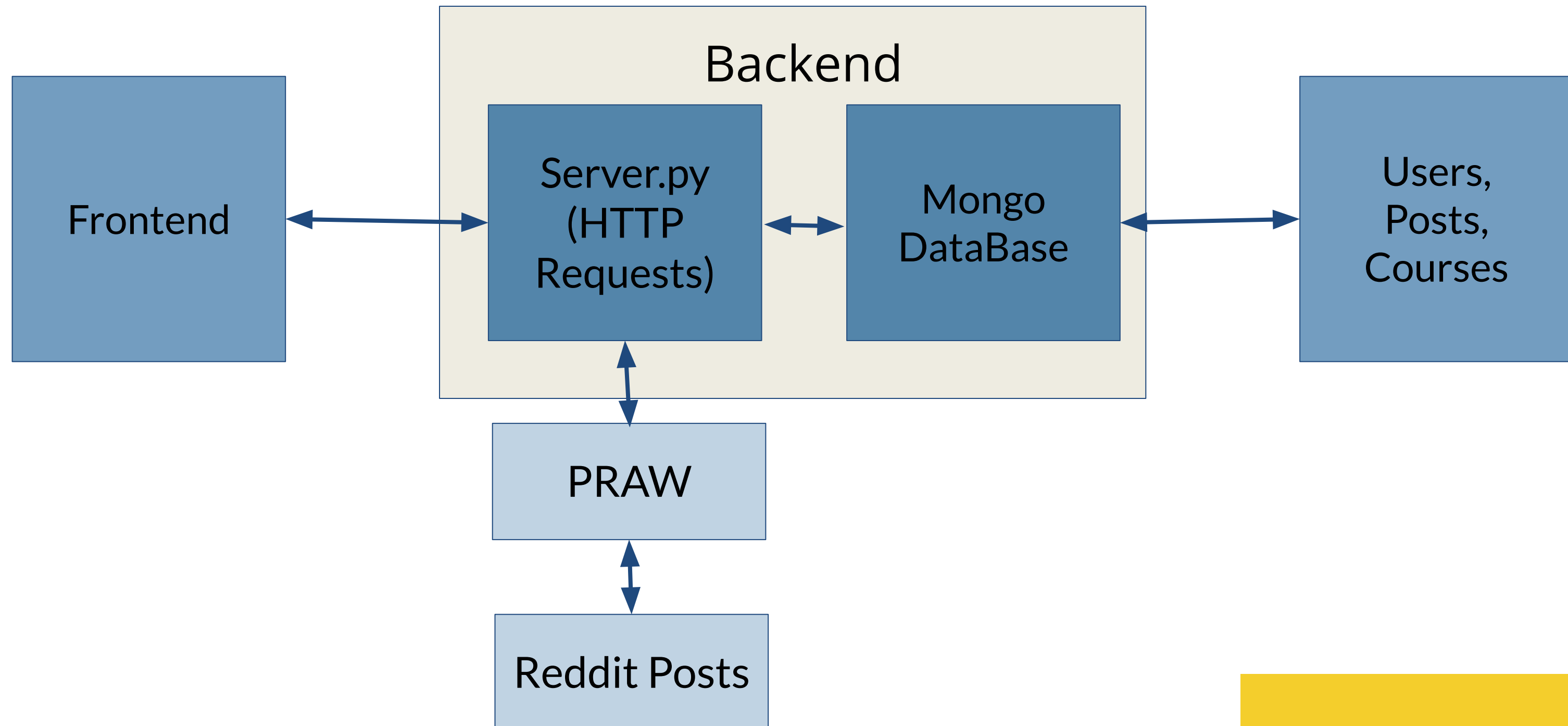- LESSONS LEARNED

Introduction

WHAT IS OUR PROGRAM:

- a **web application**, made in React JS, that **allows students to find other individuals** to study with or work on assignments

BENEFITS:

- Helps **keep students motivated** to finish semesters strong
- Increased **productivity**
- **Stronger relationships** among peers in the community

LET'S GET STARTED

Technical Architecture Diagram

TECHNICAL ARCHITECTURE

LIBRARIES

Imported the Card, Box, Typography, Container, Axios, and UI libraries to implement the frontend, and core python libraries, pymongo, PRAW, flask and flask_cors libraries in the backend.

BACKEND

Algorithms that help us **store** and **clean** the data to send back to the frontend in order to display database information

Members: Viven and Zuhair

FRONTEND

Algorithms that help us **collect** information, send that information to the database, and **display posts and data**

Members: Divya and Khushi

DEMO

LESSONS LEARNED

REACT JS TEST CASES

PROBLEM: did not know how to implement React JS test cases because team was not experienced in script.

SOLUTION: contact TA and ask for help to figure out what is causing an error in test cases

LESSON: learned a new thing about react test cases and the importance of asking for help from more experienced individuals

FEATURE BRANCHING

PROBLEM: had trouble merging separate branches together when trying to put all the components of the project together

SOLUTION: researched online how to effectively fix merge errors and walked through it step by step

LESSON: utilize resources available and learned how to merge separate branches together

Thank you for watching!