TextDNA

By : Team 5

Overview

Team Members

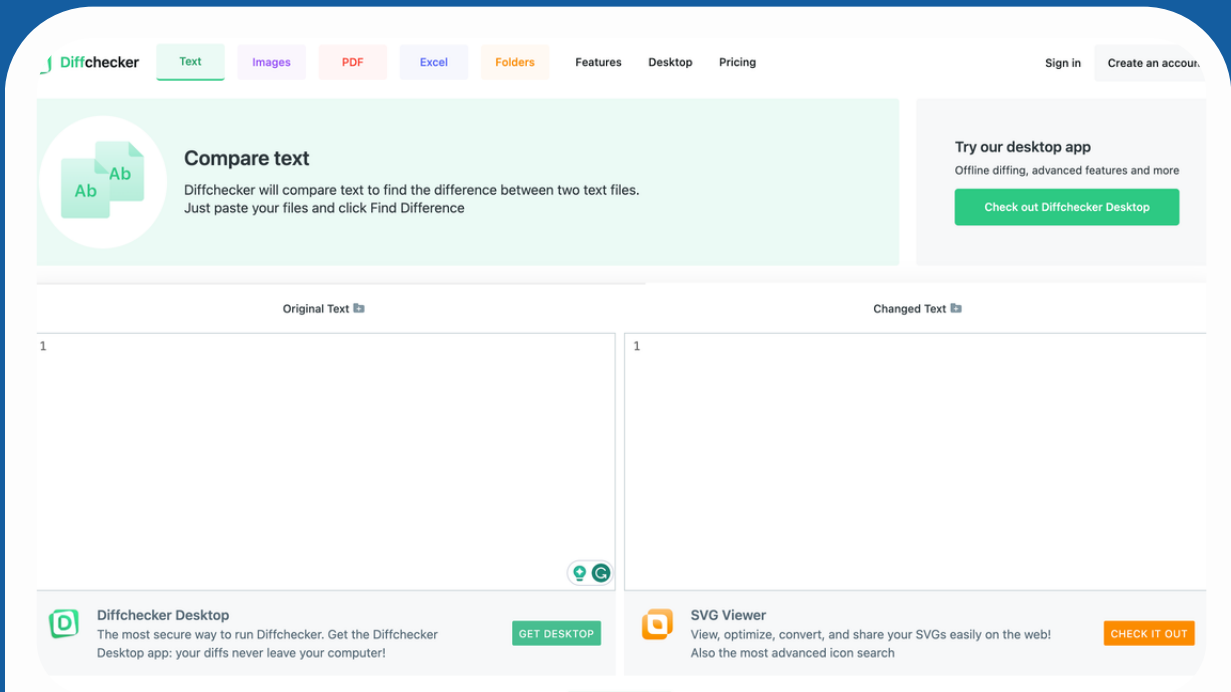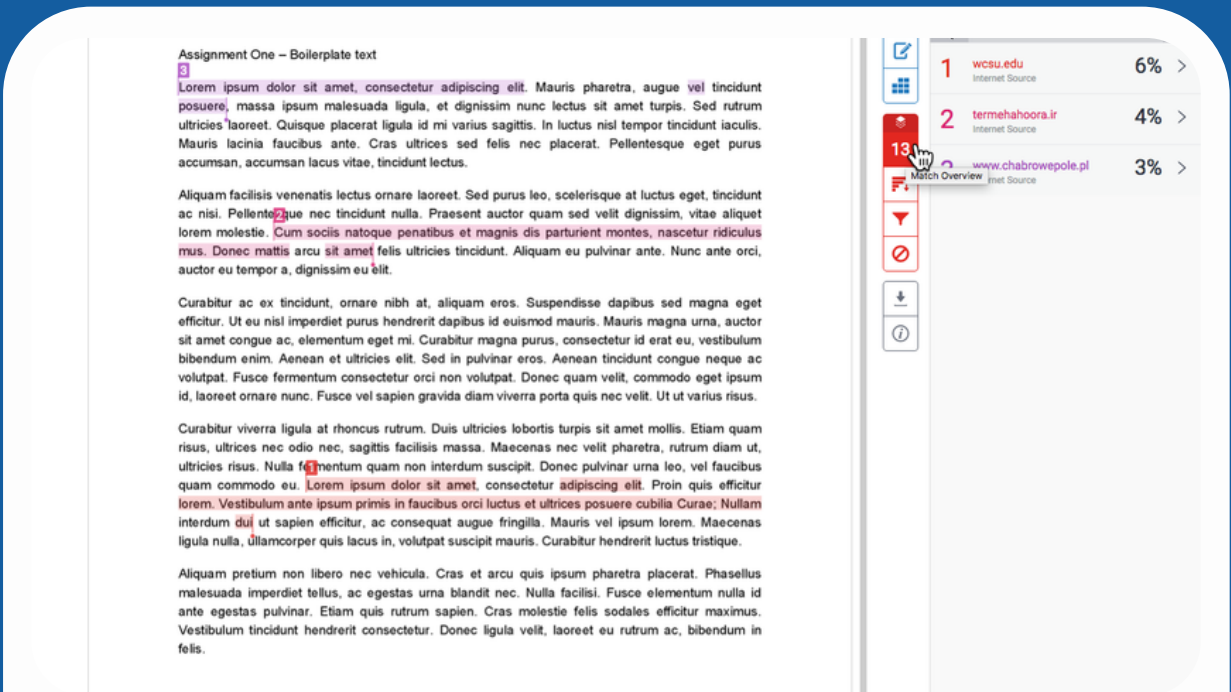| Shaun Chow	Younis Naser	John Kavadias	Thaya Chevaphatrakul	Rohit Sandeep Ambakkat
Scrum Master	Product Owner	Developer	Developer	Developer

Client and Project Brief

To develop a web interface that allows academics to determine the authenticity of students submissions

Inspirations

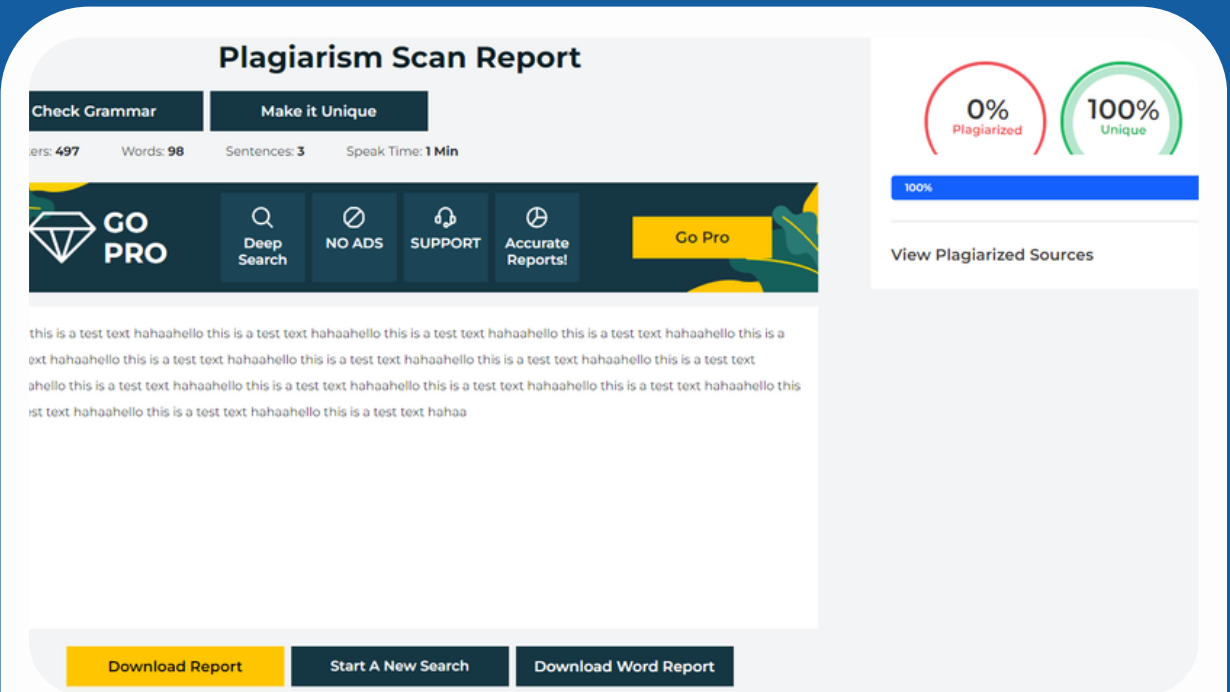**DiffChecker**

TurnItIn

PlagarismDetector.net

Architectually Significant Requirements

01 Textual Analysis

02 Registration and Login

03 Storage

04 Classroom Management

Non-Architectually Significant Requirements

01 Usability

02 Performance

03 Security

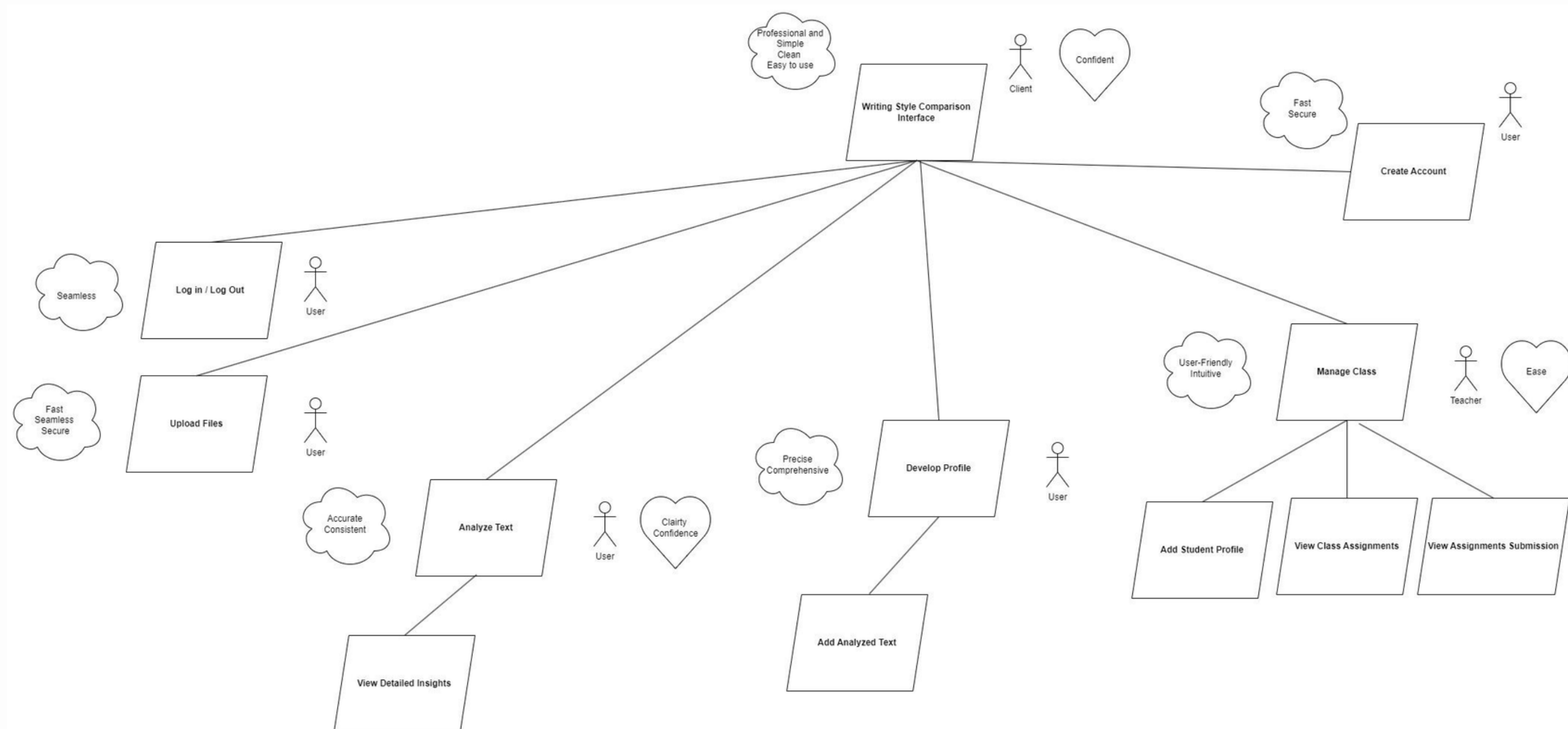**04** Scalability

Motivational Model

User Stories

Epic 1: Compare and analyze texts

1. As an Academic, I want to be able to upload submissions seamlessly and in a secure manner (Priority - **Must**)

2. As an Academic, I want to be able to develop a profile for a student to be used for analysis and it should be comprehensive to view. I also want to be able to (Priority - **Must**)

   1. Add any analyzed text to a profile (Priority - **Should**)

3. As an Academic, I want to be able to analyze text against a profile that is stored accurately and have confidence in the results. I also want to be able to (Priority - **Must**)

   1. View Analysis Score (Priority - **Should**)

   2. View Detailed Insights (Priority - **Could**)

Epic 2: Manage accounts

1. As an Academic, I want to be able to create an account in a fast and secure manner (Priority - **Must**)

2. As an Academic, I want to be able to log in and out of the interface in a seamless manner (Priority - **Must**)

3. As an Academic, I want to be able to manage my class in a user-friendly and intuitive manner. I also want to be able to (Priority - **Should**)

   1. Add student profiles with ease (Priority - **Should**)

   2. View Class Assignments (Priority - **Should**)

   3. View Assignment Submissions (Priority - **Should**)

User Personas

Persona name	John Smith
Persona role	Subject Coordinator at the University of Melbourne
Job description	Responsible for the administration of a particular subject within a faculty. Additionally responsible for undertaking assessments within the subject and consulting with students when concerns are raised

Technologies Used
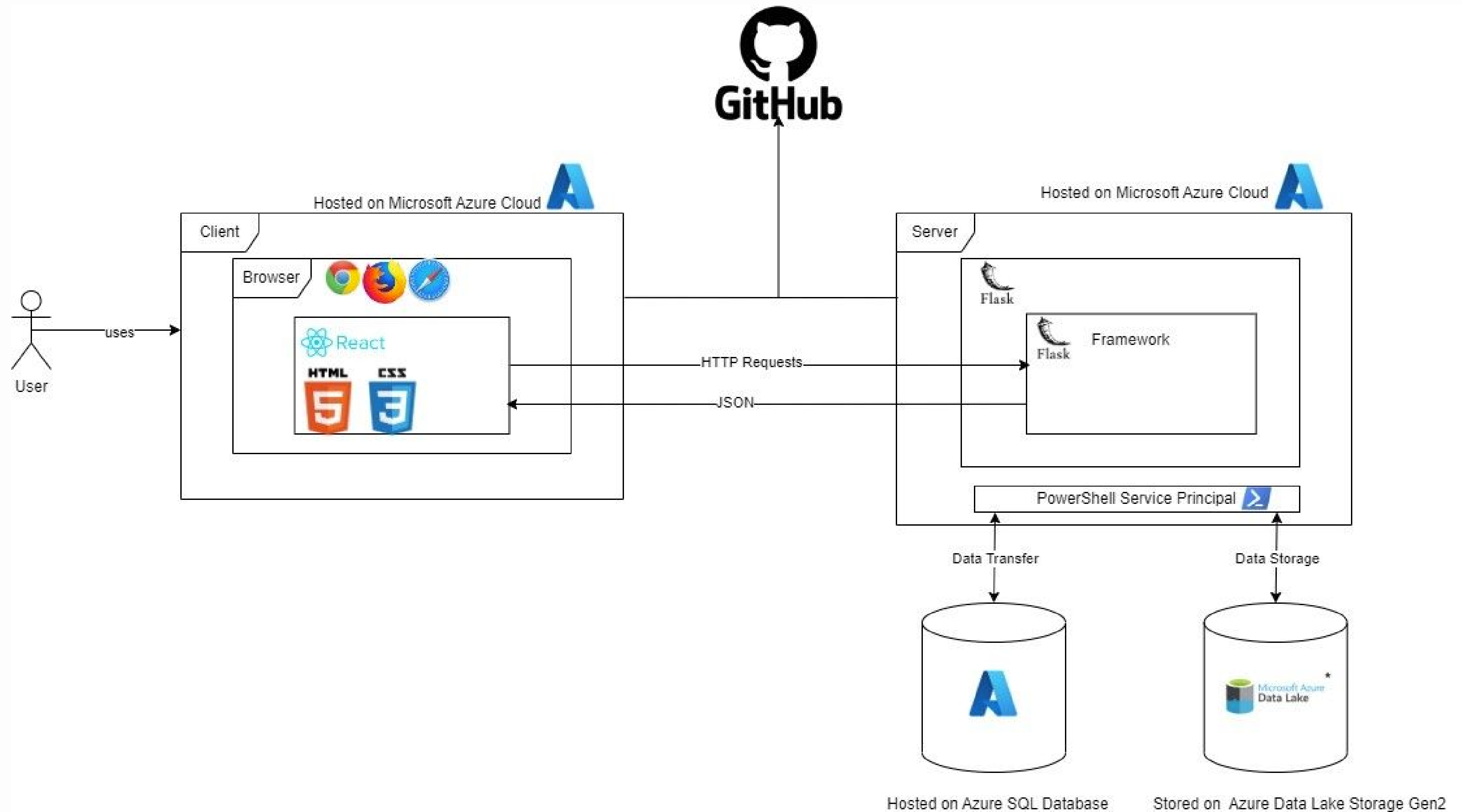
Collaboration Tools

Discord

Confluence

Jira

Project Demonstration

Challenges

- **Unfamiliarity of Technologies**
  - Back End Development
  - Azure Cloud
  - Networking and Deployment
- **Defining the Scope**
  - Requirement Crafting
- **Project Management Skills**
  - Communication
  - Documentation
  - Time

Lessons Learned

- Establishing Priorities Early
- Team and Client Communication
- Agile Development Process
- New Technologies: Networking, Powershell Scripts, Azure

Questions?