

# Design Document

## Academic Behaviour Recommendation system

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# **1 Introduction**

This document explores the interface for the system.

## **2 Use Case for Student Performance Analysis**

### **2.1 Main Success scenario (Student)**

1. User opens the program
2. User Chooses student
3. User logs on
4. Use chooses course name
5. user clicks on get suggestions
6. Report is displayed

### **2.2 Main success scenario (Teacher)**

1. user opens the program
2. user chooses teacher
3. user logs on
4. user manually enters data from syllabus
5. user uploads log and grade file
6. Report is displayed

## **3 System Sequence Diagram**

Figure 1: Student SSD

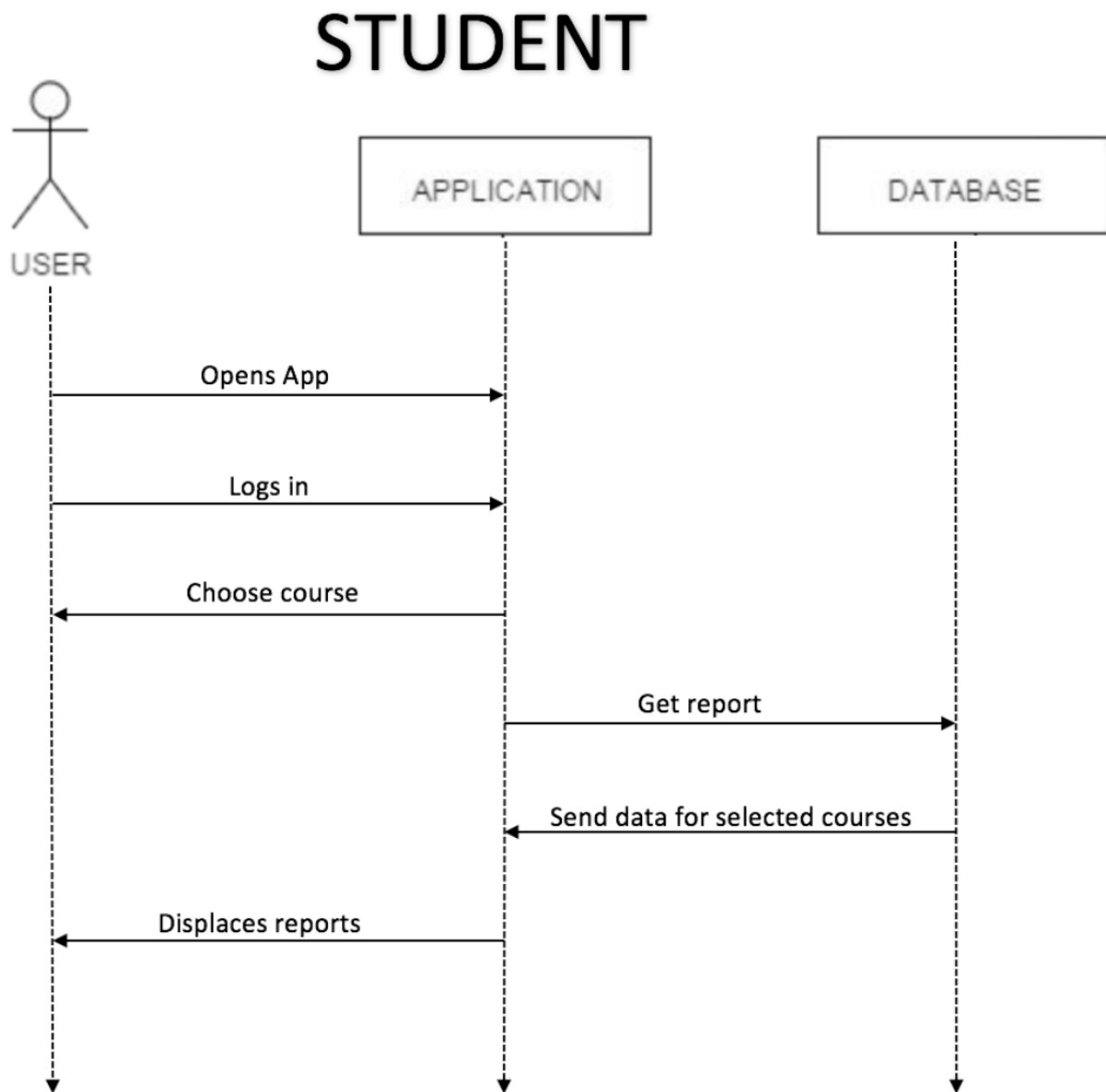
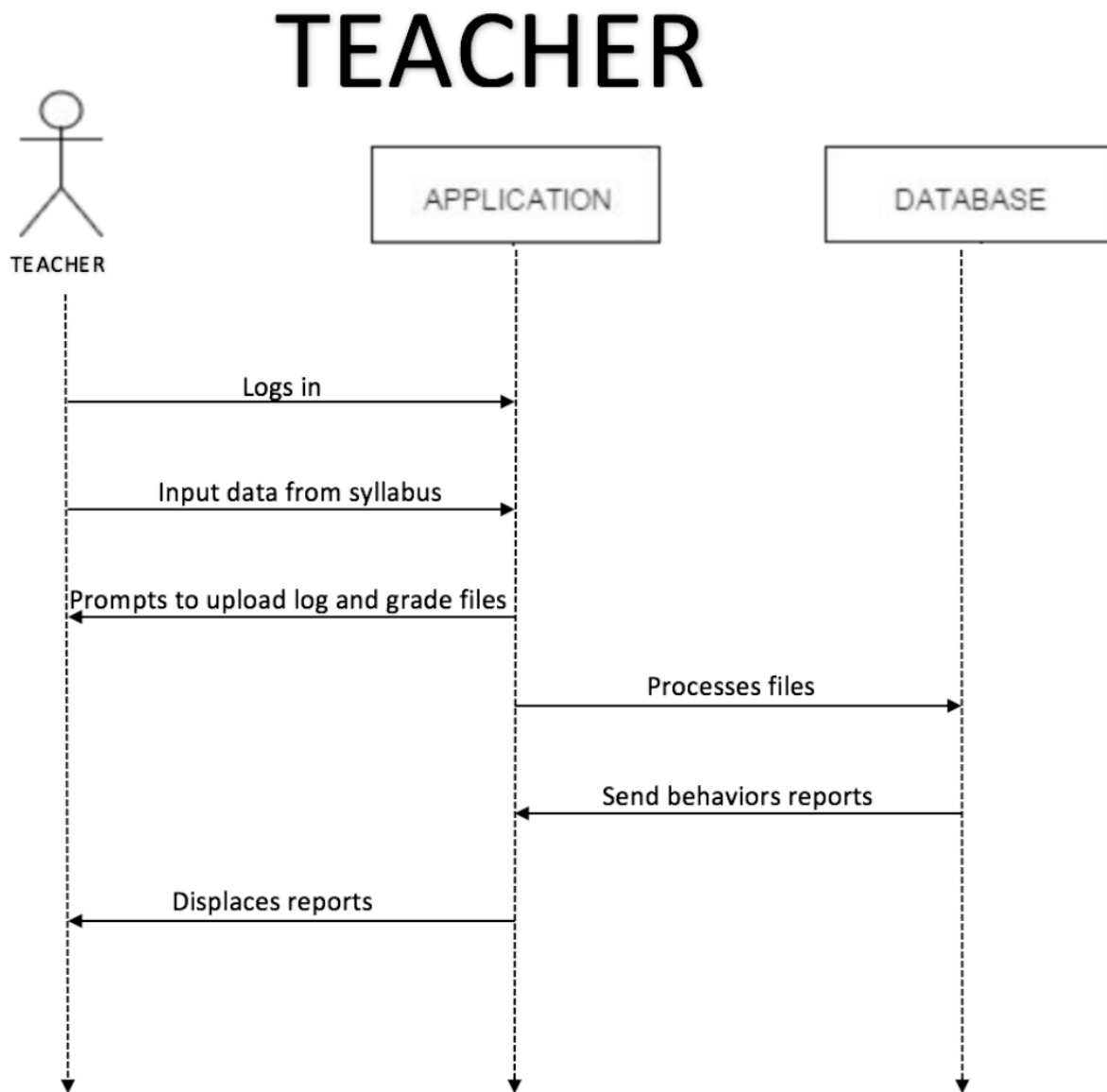


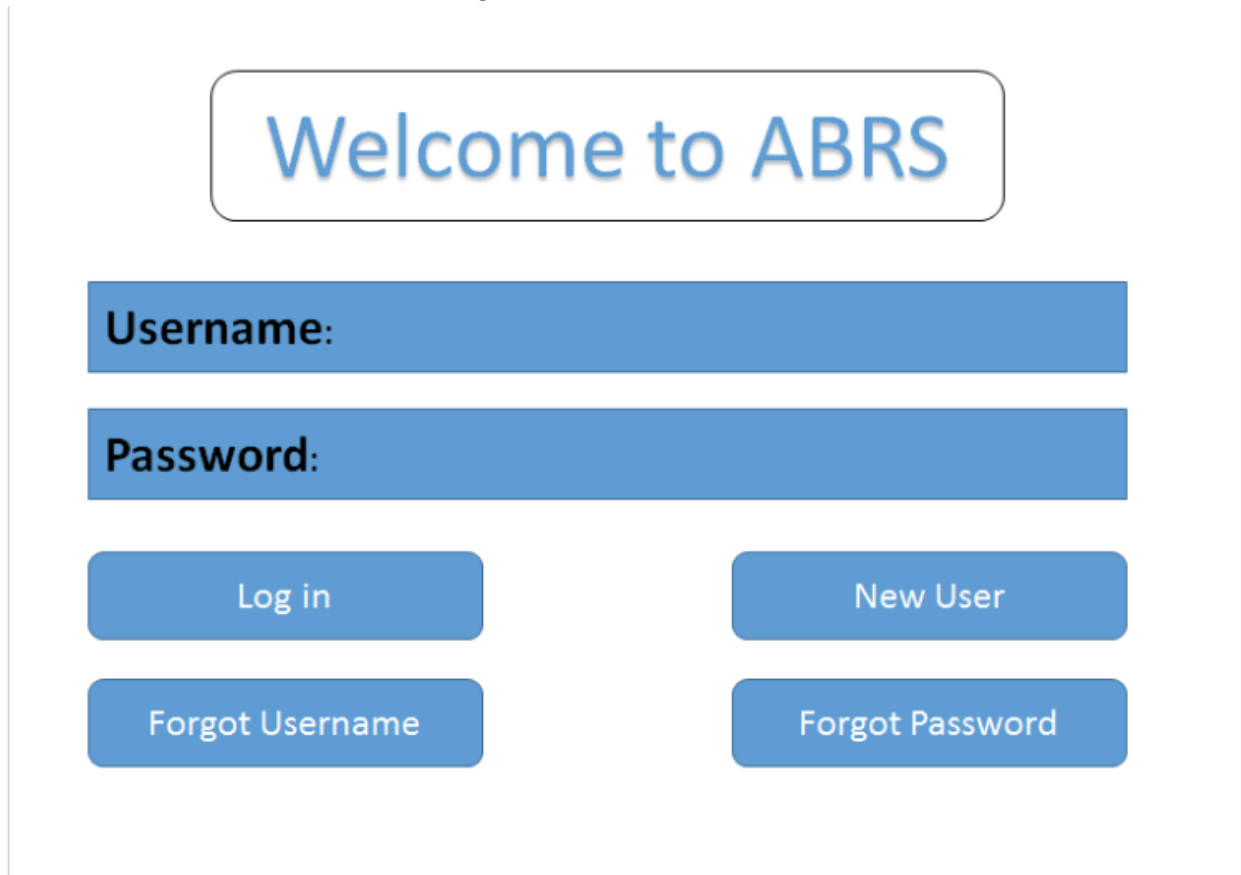
Figure 2: Teacher SSD



## 4 UML diagrams

## 5 Interface Mock ups

Figure 3: Welcome screen



The mockup shows a login interface. At the top, a white rounded rectangle with a thin grey border contains the text "Welcome to ABRS" in a blue, sans-serif font. Below this, there are two blue rectangular input fields. The first field is labeled "Username:" in white text on the left. The second field is labeled "Password:" in white text on the left. Below the input fields, there are four blue rounded rectangular buttons arranged in a 2x2 grid. The top-left button is labeled "Log in", the top-right button is labeled "New User", the bottom-left button is labeled "Forgot Username", and the bottom-right button is labeled "Forgot Password". All buttons have white text.

Welcome to ABRS

Username:

Password:

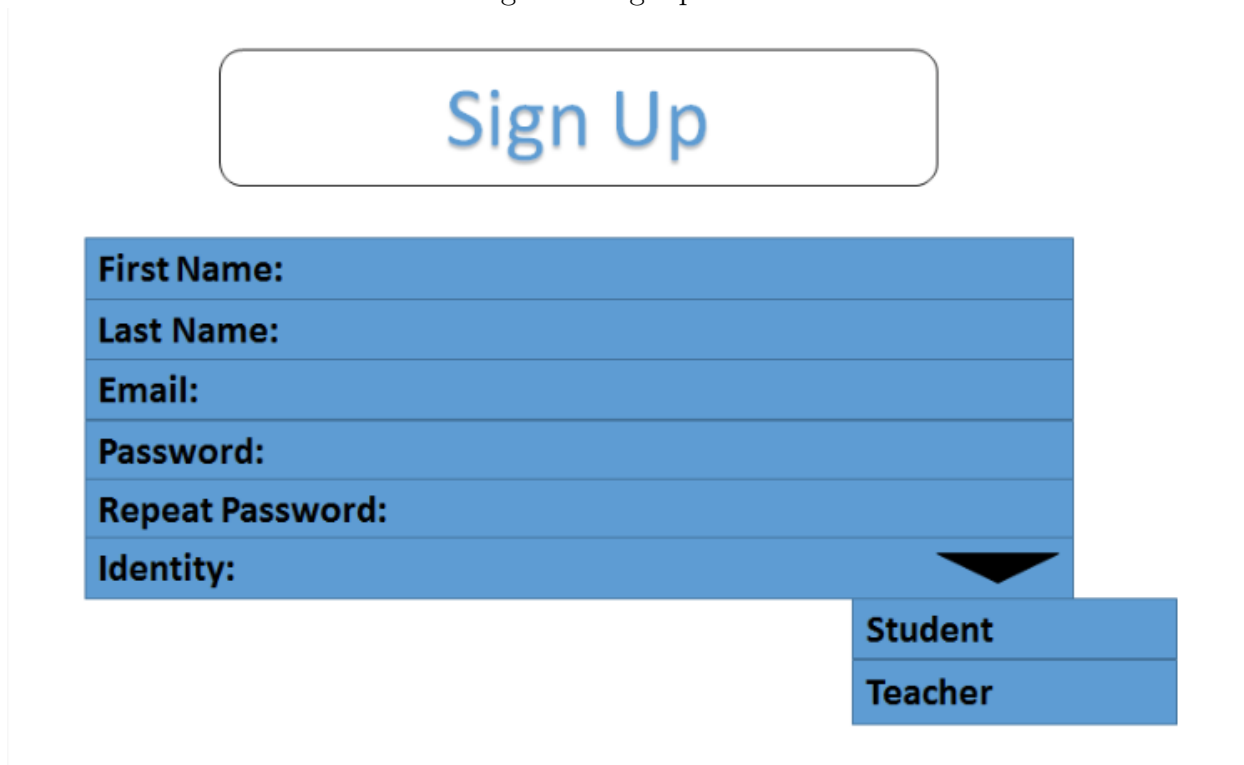
Log in

New User

Forgot Username

Forgot Password

Figure 4: signup screen



The signup screen features a large, rounded rectangular button at the top with the text "Sign Up" in a blue, sans-serif font. Below this button is a vertical stack of six input fields, each with a blue header and a white body. The headers are "First Name:", "Last Name:", "Email:", "Password:", "Repeat Password:", and "Identity:". The "Identity:" field includes a black downward-pointing triangle on its right side, indicating a dropdown menu. To the right of the "Identity:" field, a dropdown menu is open, showing two options: "Student" and "Teacher", each on a separate blue background with white text.

**Sign Up**

**First Name:**

**Last Name:**

**Email:**

**Password:**

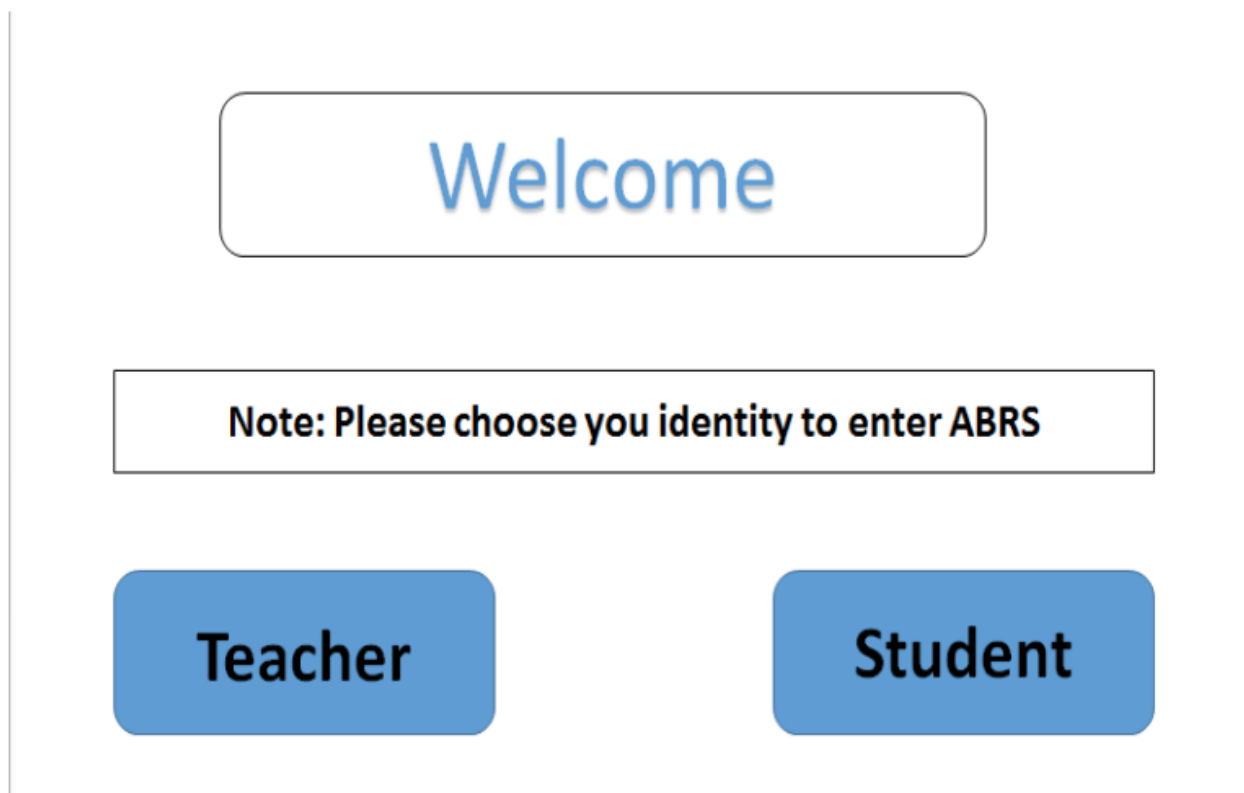
**Repeat Password:**

**Identity:** ▼

**Student**

**Teacher**

Figure 5: Choose interface screen



The choose interface screen has a large, rounded rectangular button at the top with the text "Welcome" in a blue, sans-serif font. Below this button is a rectangular box with a thin black border containing the text "Note: Please choose you identity to enter ABRS". At the bottom of the screen, there are two blue, rounded rectangular buttons side-by-side. The left button contains the text "Teacher" and the right button contains the text "Student", both in a bold, black, sans-serif font.

**Welcome**

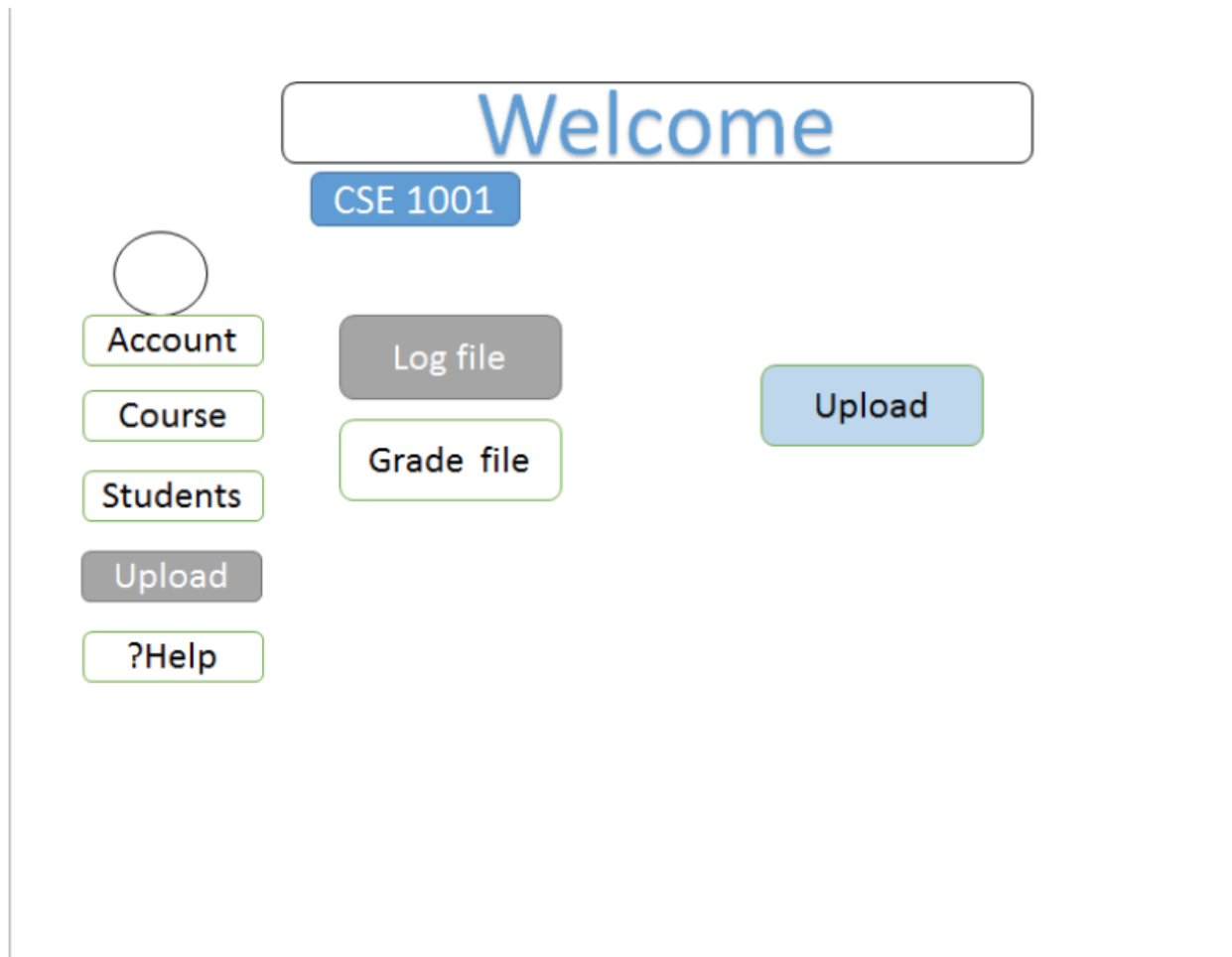
**Note: Please choose you identity to enter ABRS**

**Teacher**

**Student**



Figure 6: Upload



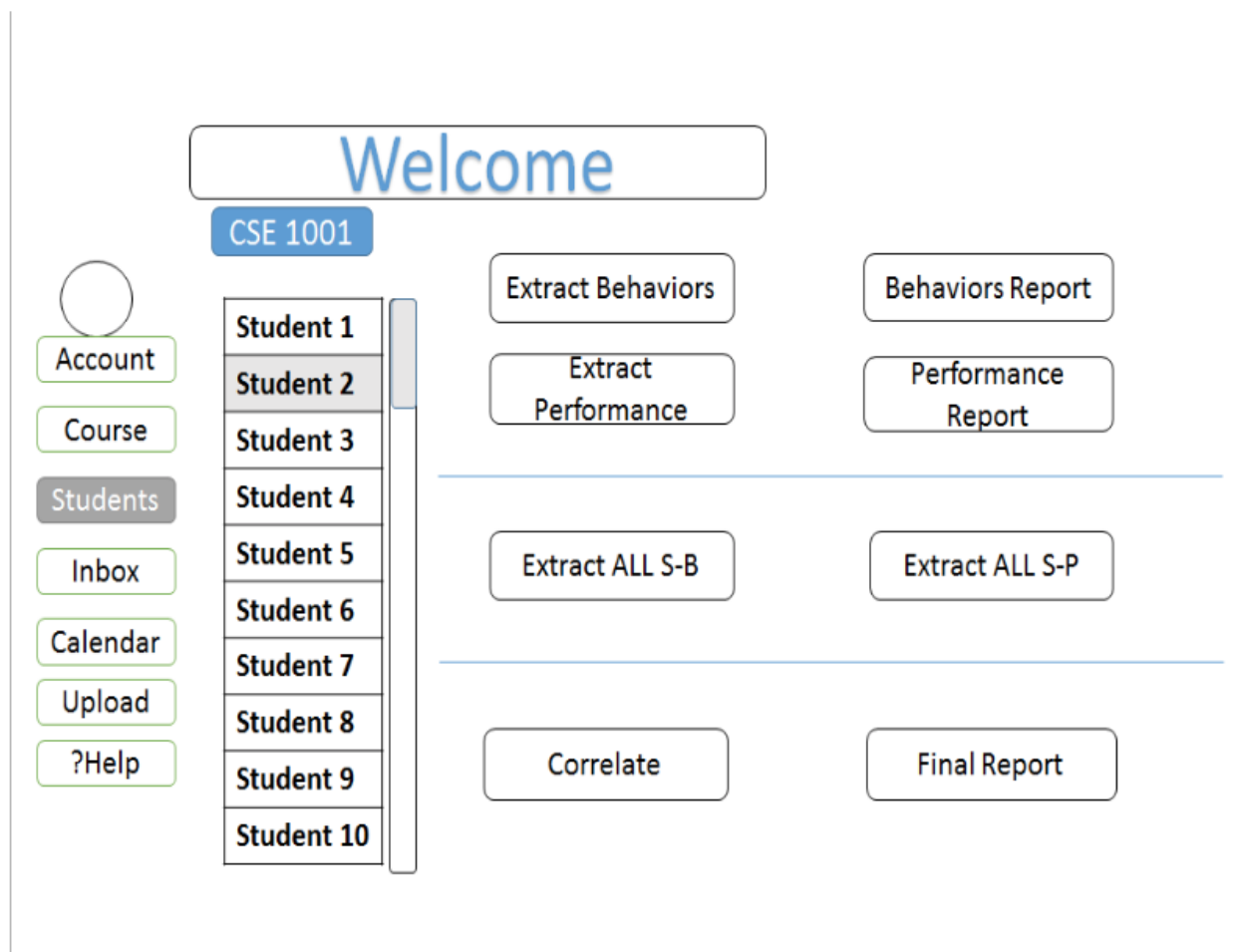


Figure 7: Report

