

# CS22310 - User Centred Design and Human Computer Interaction

North Ceredigion Fitness Website Prototype Development

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# 1 Introduction

## 2 Task Analysis

### 2.1 Who is Involved

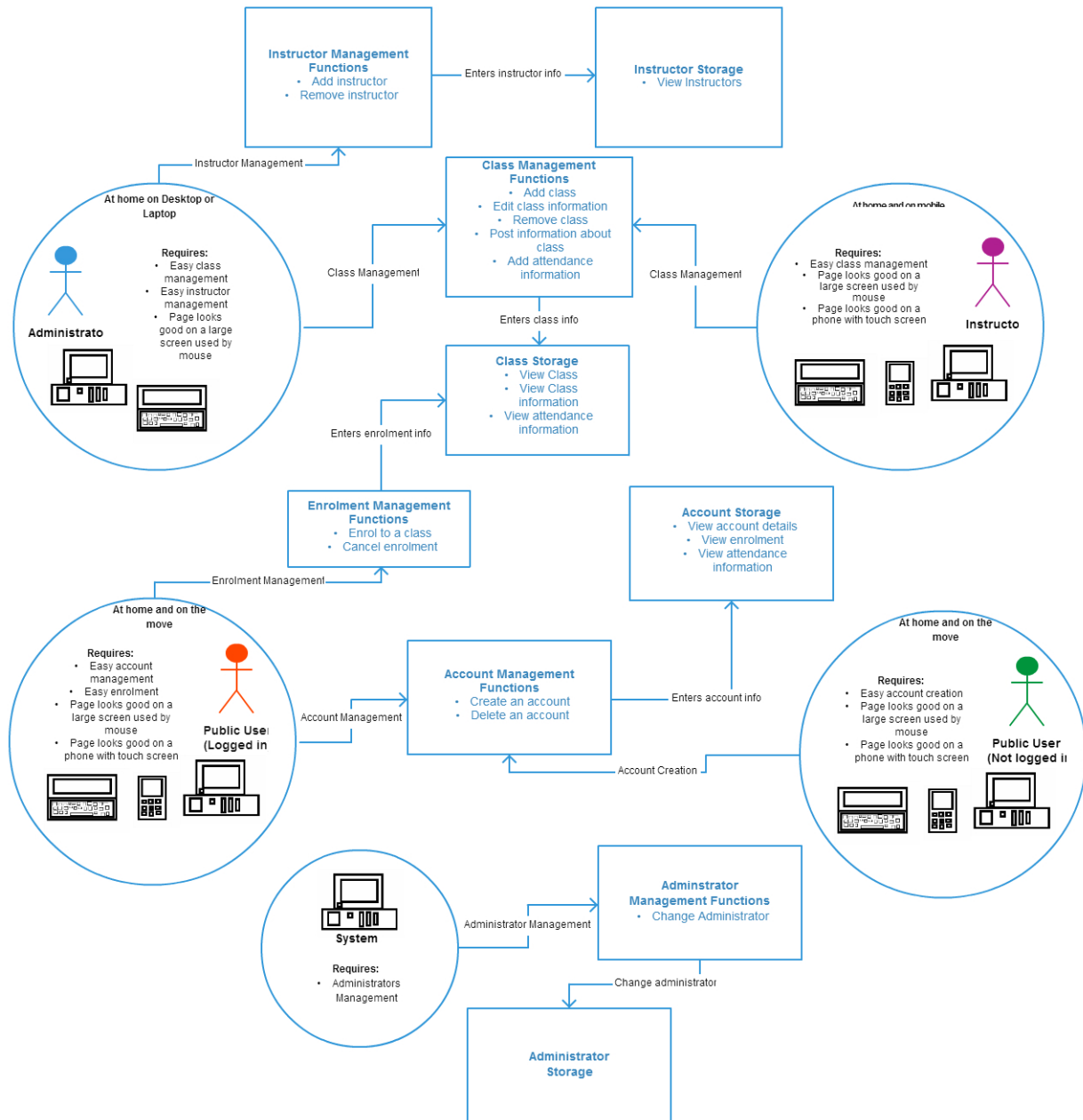


Figure 1: Rich Picture

## 2.2 Tasks the System Performs

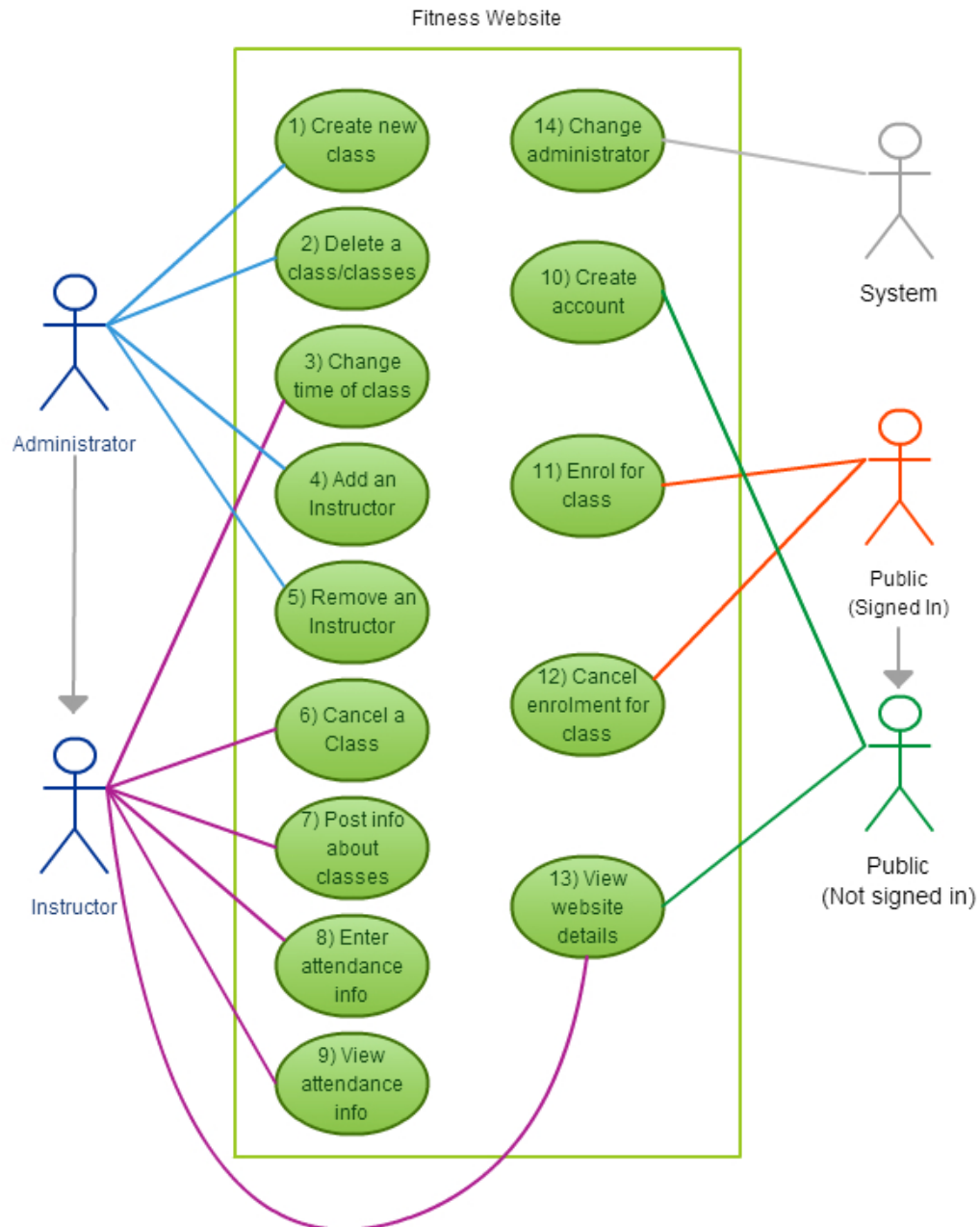


Figure 2: Use-Case Diagram

## 2.3 How Tasks and Data Relate

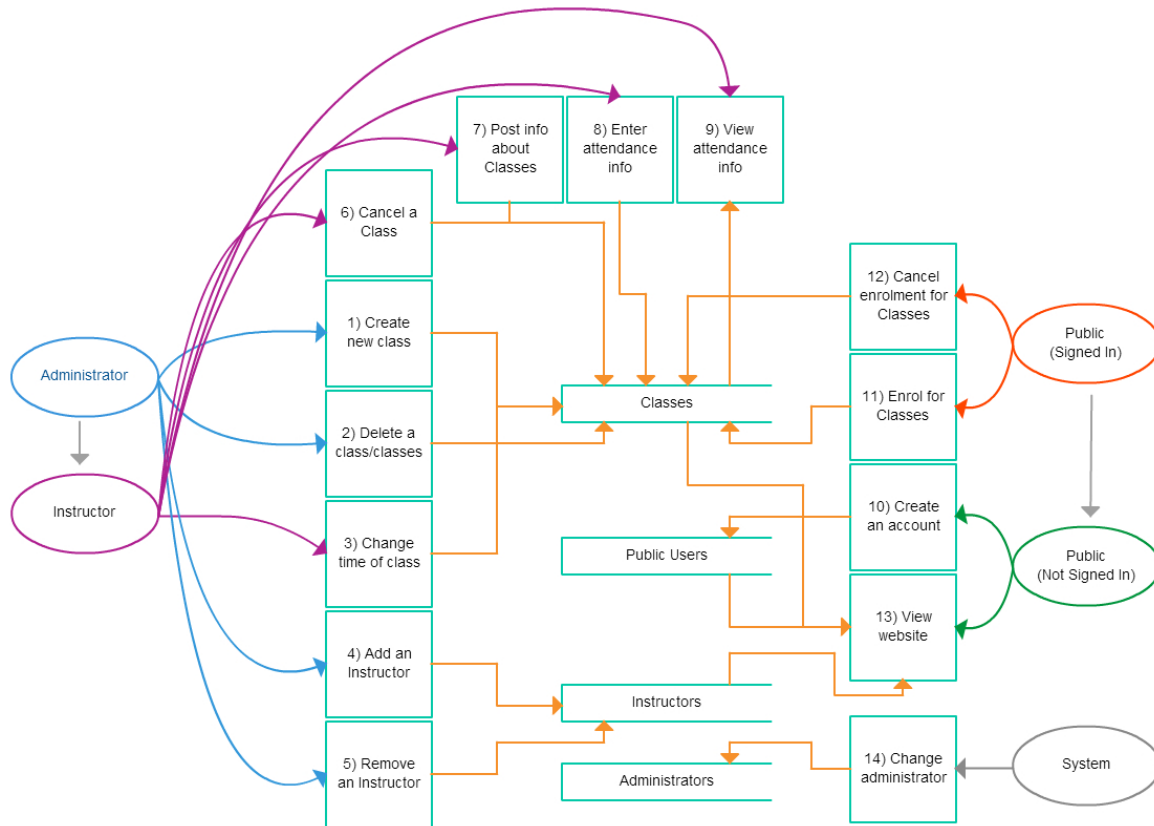


Figure 3: Dataflow Diagram

## 2.4 How Tasks are Related

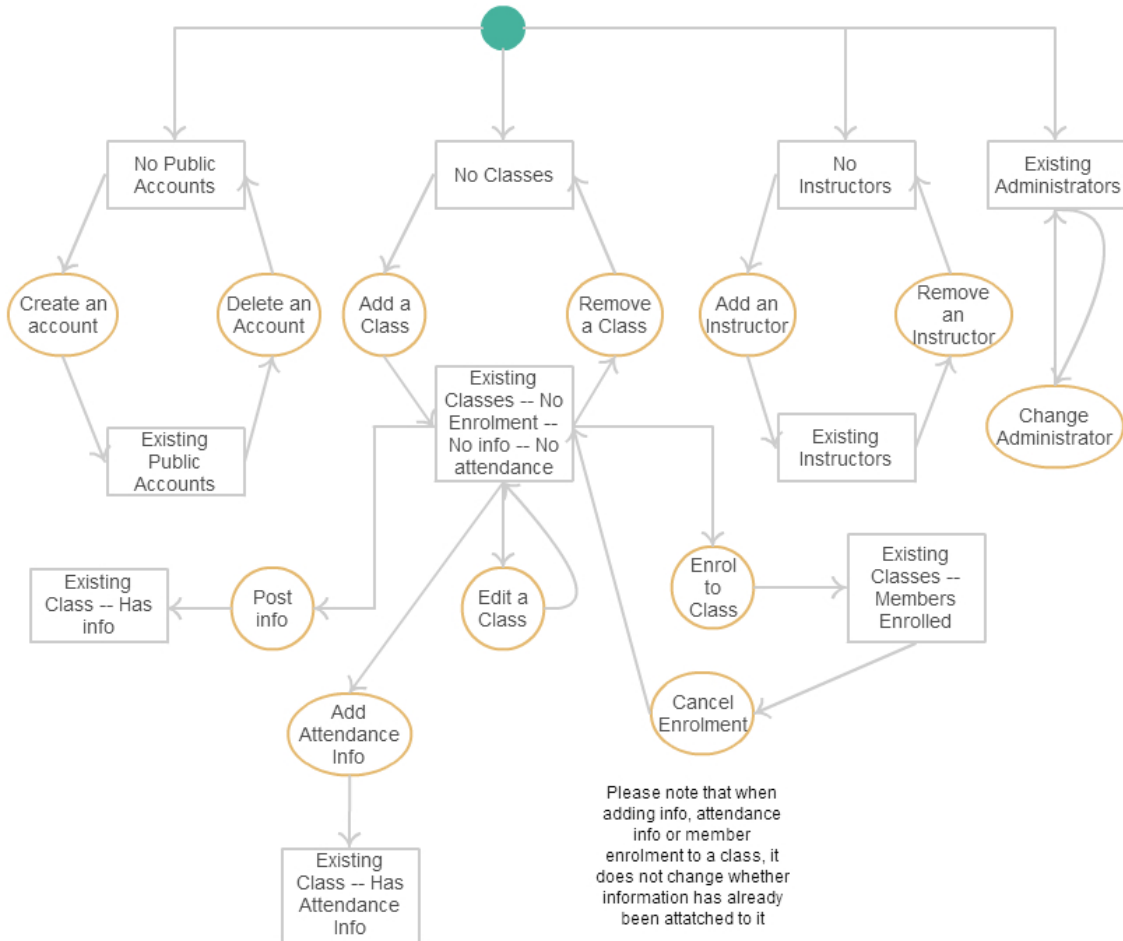


Figure 4: State Transition Diagram

### 3 High-Level Design

#### 3.1 Style of Interaction

#### 3.2 Navigation

#### 3.3 Sketches of UI

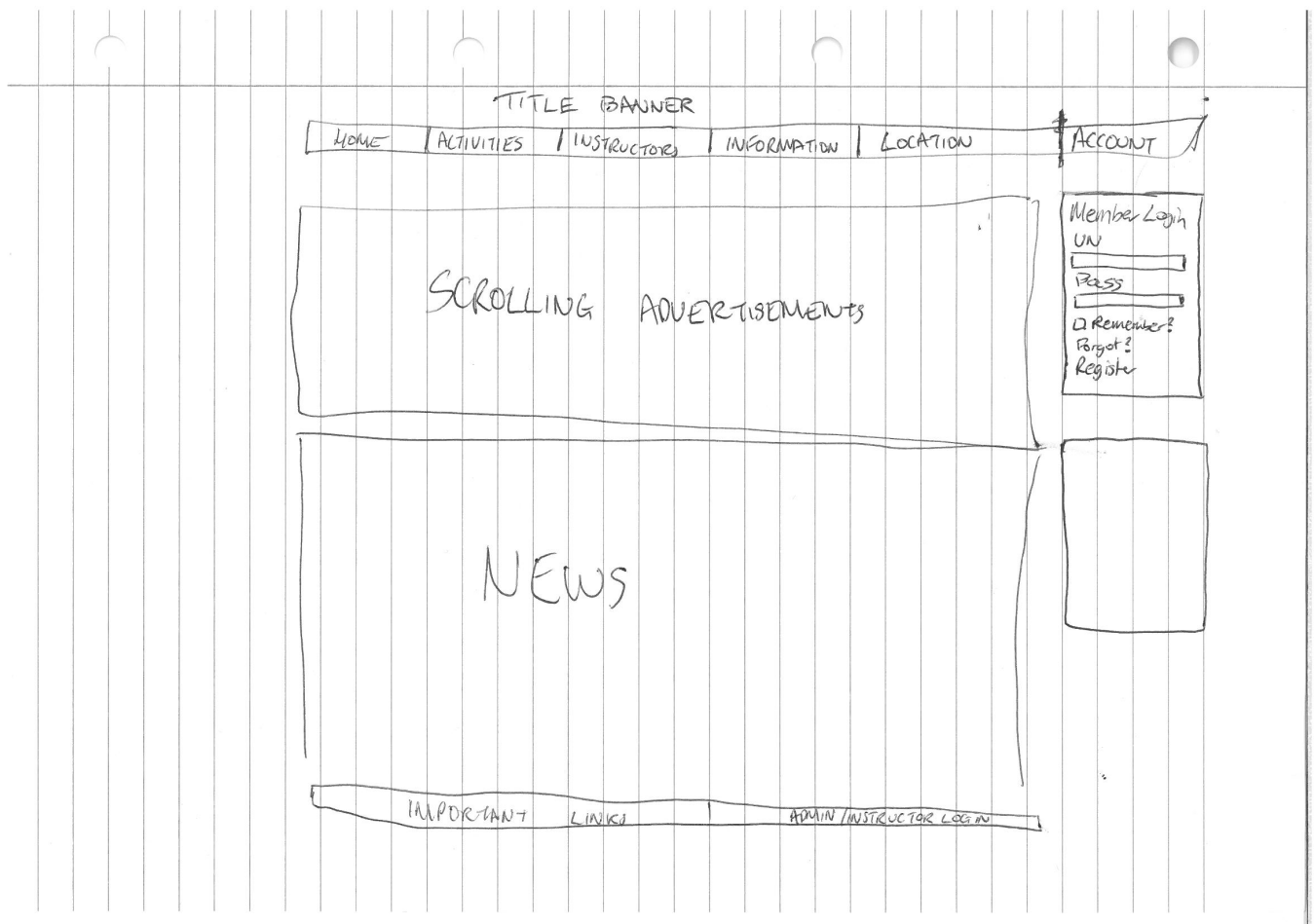


Figure 5: Homepage

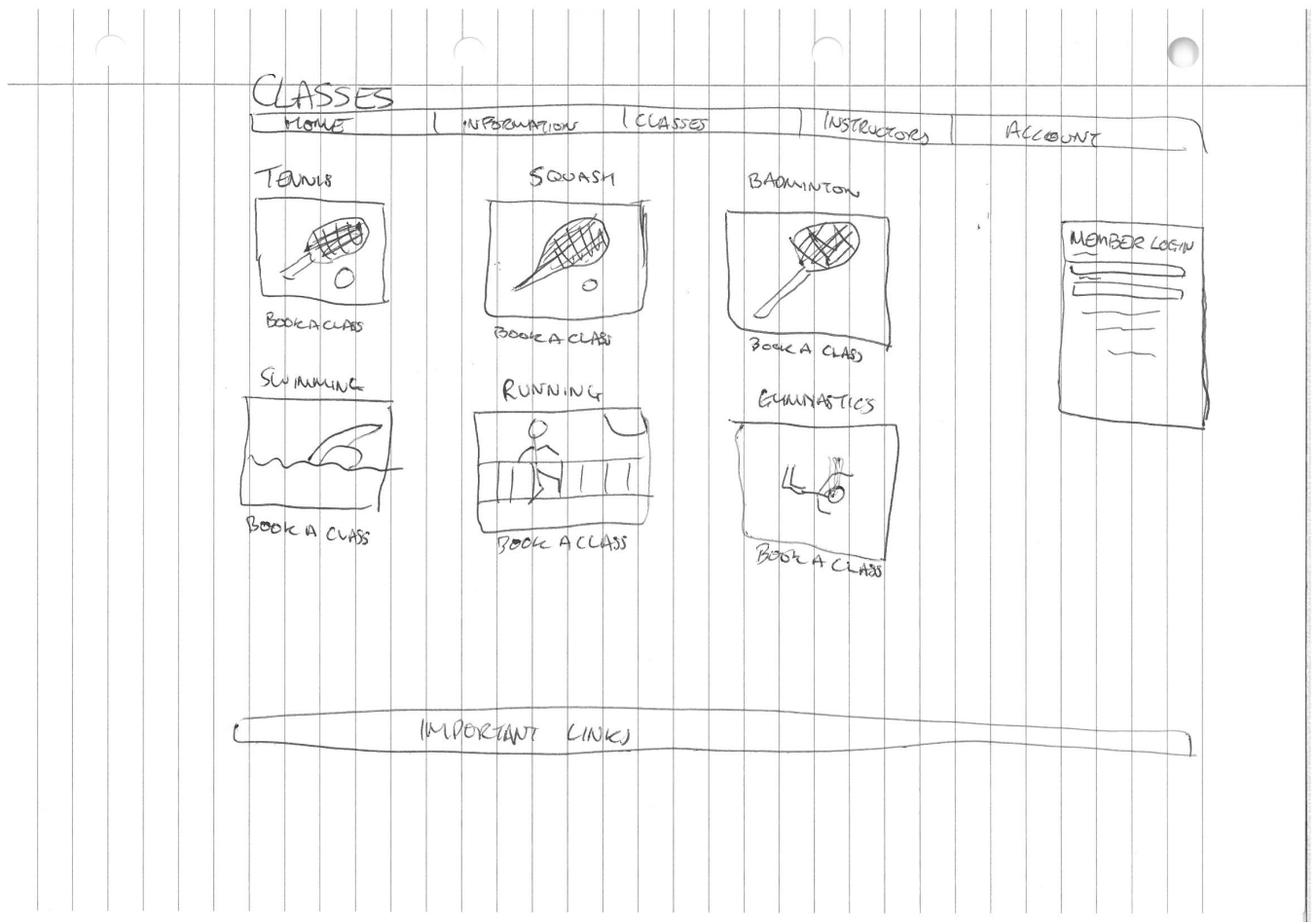


Figure 6: Class Listings Page



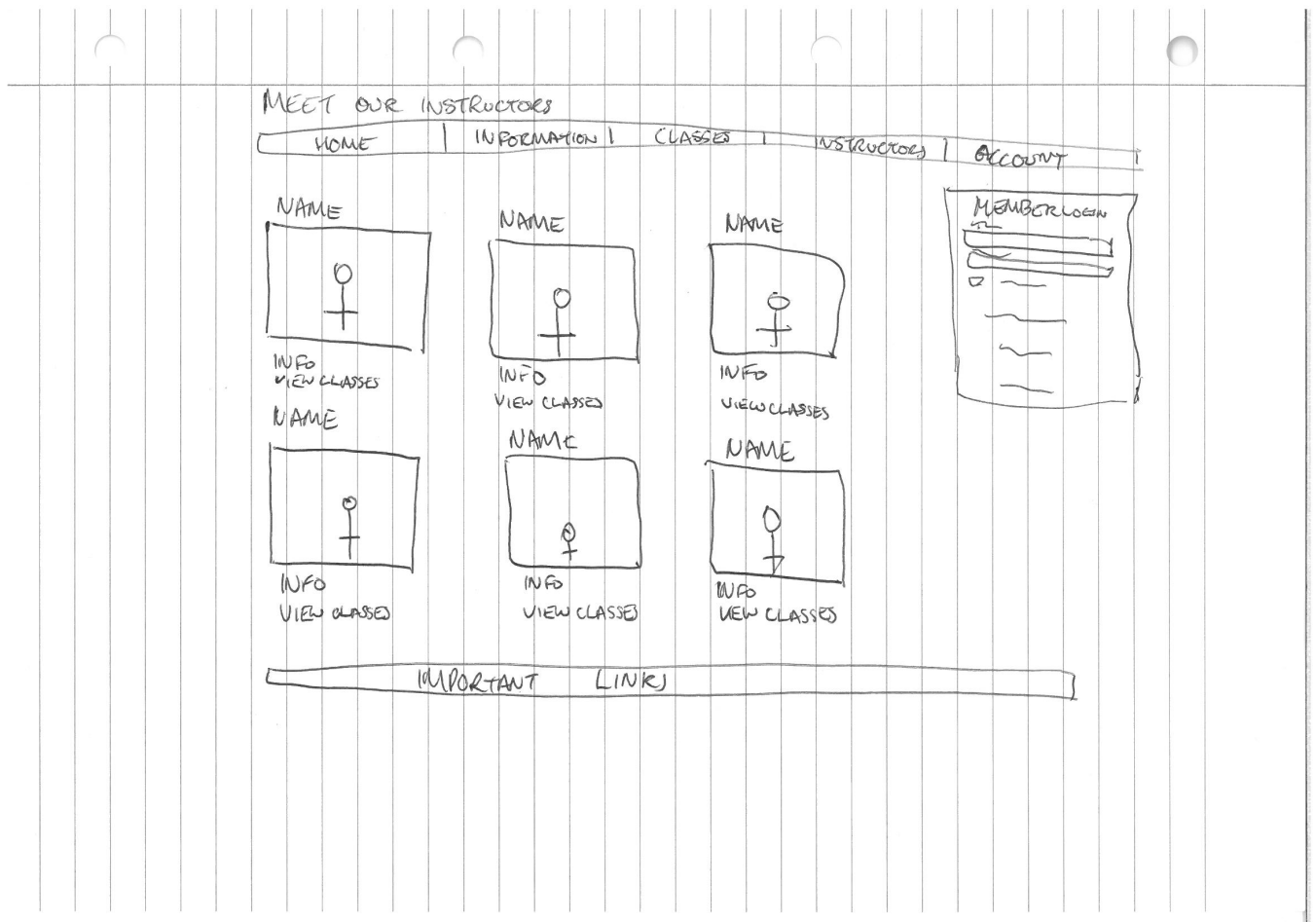


Figure 7: Instructors Listing Page

A hand-drawn sketch of a login page on lined paper. The page is titled "YOUR ACCOUNT" in the top left. Below the title is a horizontal navigation bar with five links: "HOME", "INFORMATION", "CLASSES", "INSTRUCTORS", and "ACCOUNT". Below the navigation bar, the text "LOG IN" is written. Under "LOG IN" are two input fields: "USERNAME" and "PASSWORD". Below the "PASSWORD" field is a checkbox labeled "FOR REMEMBER" and the text "FORGOT?". Below "FORGOT?" is the text "REGISTER ACCOUNT". Further down, the text "ADMIN/INSTRUCTOR LOGIN" is written. At the bottom of the page is a horizontal bar with the text "IMPORTANT LINKS".

YOUR ACCOUNT

HOME | INFORMATION | CLASSES | INSTRUCTORS | ACCOUNT

LOG IN

USERNAME

PASSWORD

☐ FOR REMEMBER

FORGOT?

REGISTER ACCOUNT

ADMIN/INSTRUCTOR LOGIN

IMPORTANT LINKS

Figure 8: Login Page

YOUR ACCOUNT

HOME	INFORMATION	CLASSES	INSTRUCTORS	ACCOUNT
------	-------------	---------	-------------	---------

YOUR DETAILS

NAME

VIEW YOUR TIMETABLE

VIEW YOUR ATTENDANCE

MANAGE YOUR CLASSES

MANAGE INSTRUCTORS

IMPORTANT LINKS

ADMIN LINKS

INSTRUCTOR LINKS

Figure 9: Account Management Page

## 4 Analysis of Prototype