

FDM Trainer Skills and Availability



Prototype Presentation

# Our application

- We have developed a prototype based on the requirements of our client, an application which supports the scheduling process for a company.
- Essentially expert trainers are assigned to teach a specific course on a weekly basis.
- These courses are made readily available for consultants based on the category they fall into (e.g. Graduates, Returners to Work, Ex-forces)

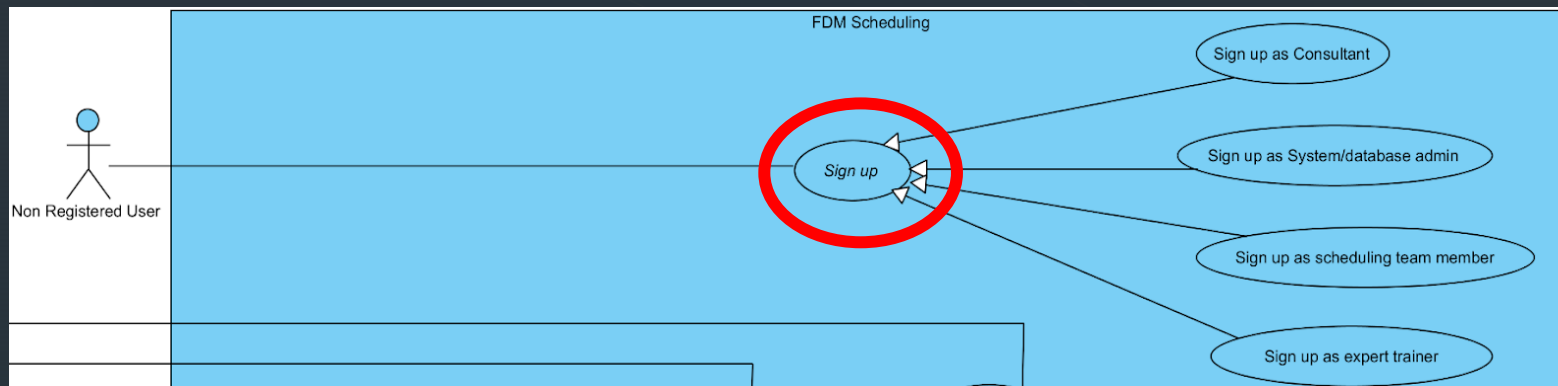
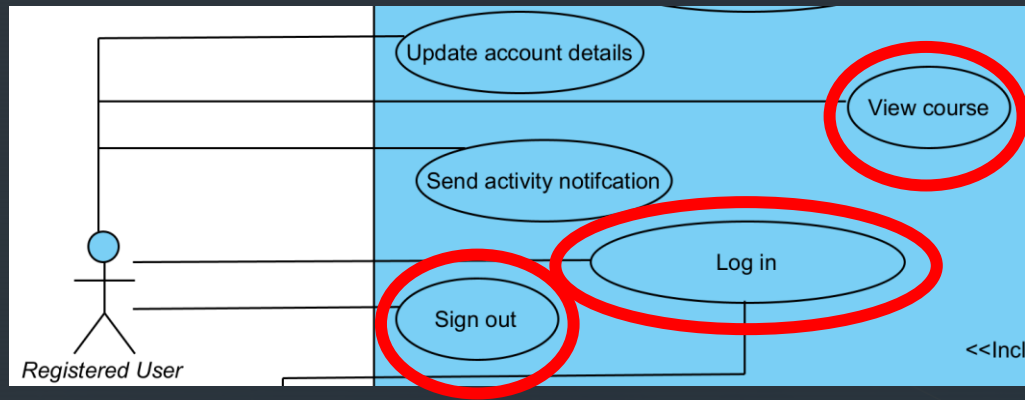
# Motivation

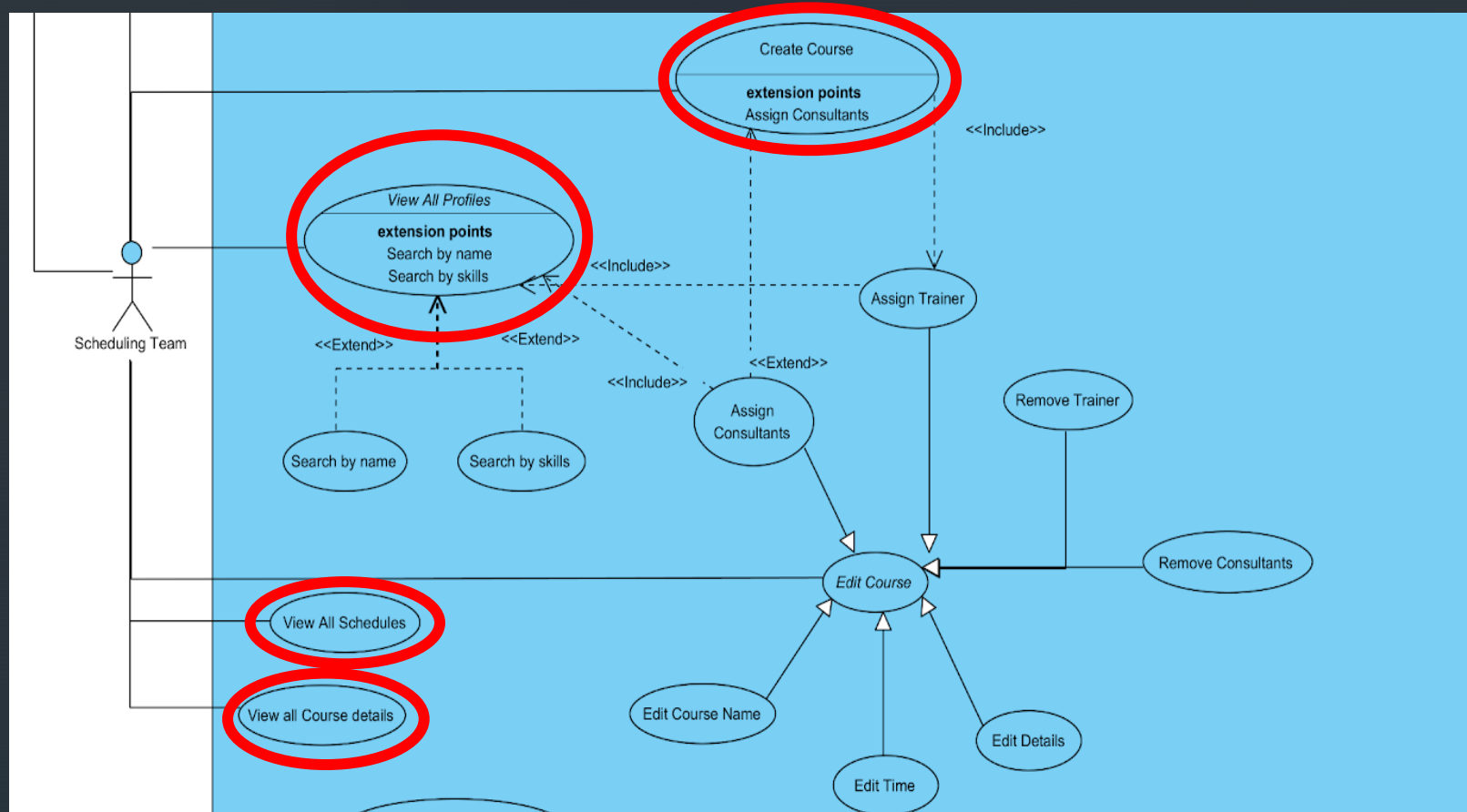
- Lack of training or poorly organized training leads to a decline in organizational growth due to employee performance.
- Training sessions must be organised properly to achieve the maximum benefits, and manual scheduling tends to be time consuming and prone to failure.
- An efficient, productive application that consists of many features to assists with managing schedules.

# Tool Introduction

- Front-end:
  - Java Swing GUI
- Backend:
  - Java
  - Mock database using Java and CSV files to store data locally

# Use case diagram





- "View Modules" was added.



# Use case diagram

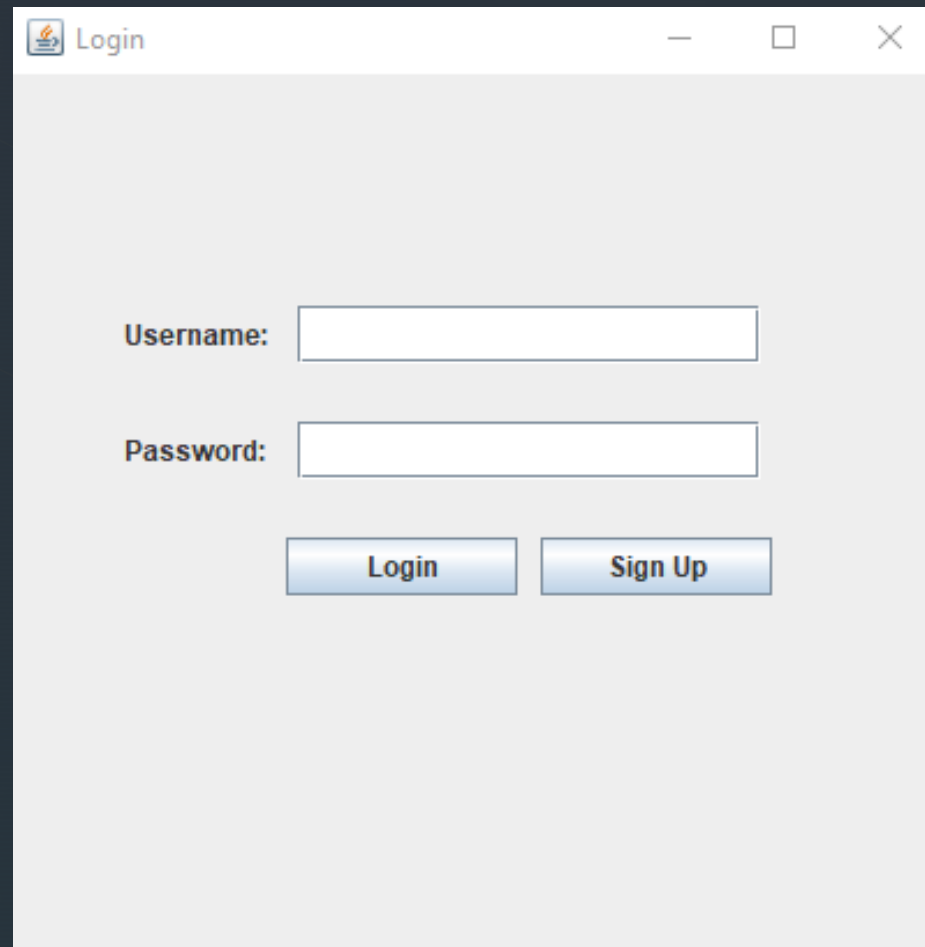


# Use Cases

- Log In
- Sign Up
- Create Course
- View All Courses
- View Modules
- View All Profiles
- View Schedule
- View Personal Profile
- Log out

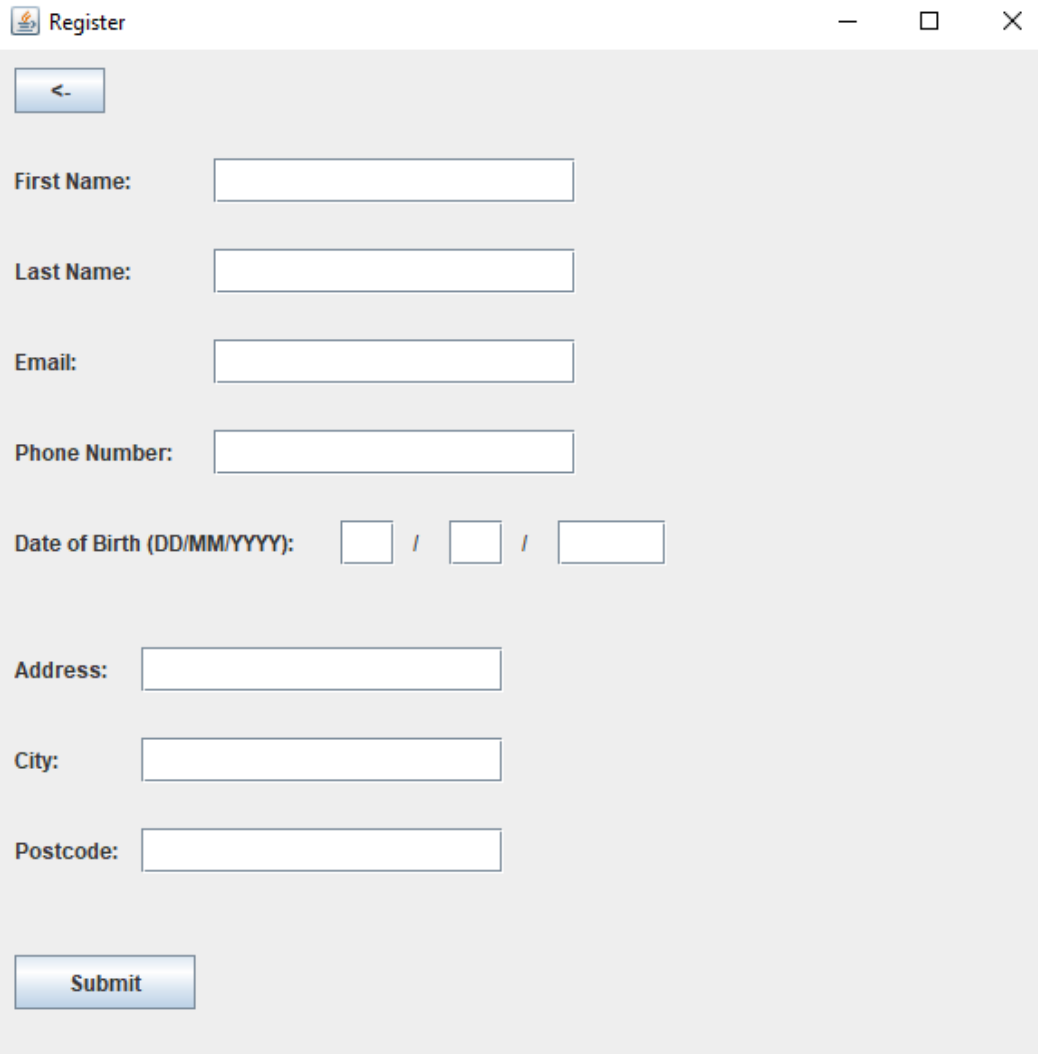


# Log in



A screenshot of a web browser window titled "Login". The window has a standard title bar with a minimize button, a maximize button, and a close button. The main content area is light gray and contains a login form. The form consists of two text input fields. The first field is labeled "Username:" and the second field is labeled "Password:". Below the input fields are two buttons: "Login" and "Sign Up". The "Login" button is on the left and the "Sign Up" button is on the right. Both buttons have a blue gradient and a slight shadow.

# Sign up



Register

<

First Name:

Last Name:

Email:

Phone Number:

Date of Birth (DD/MM/YYYY):  /  /

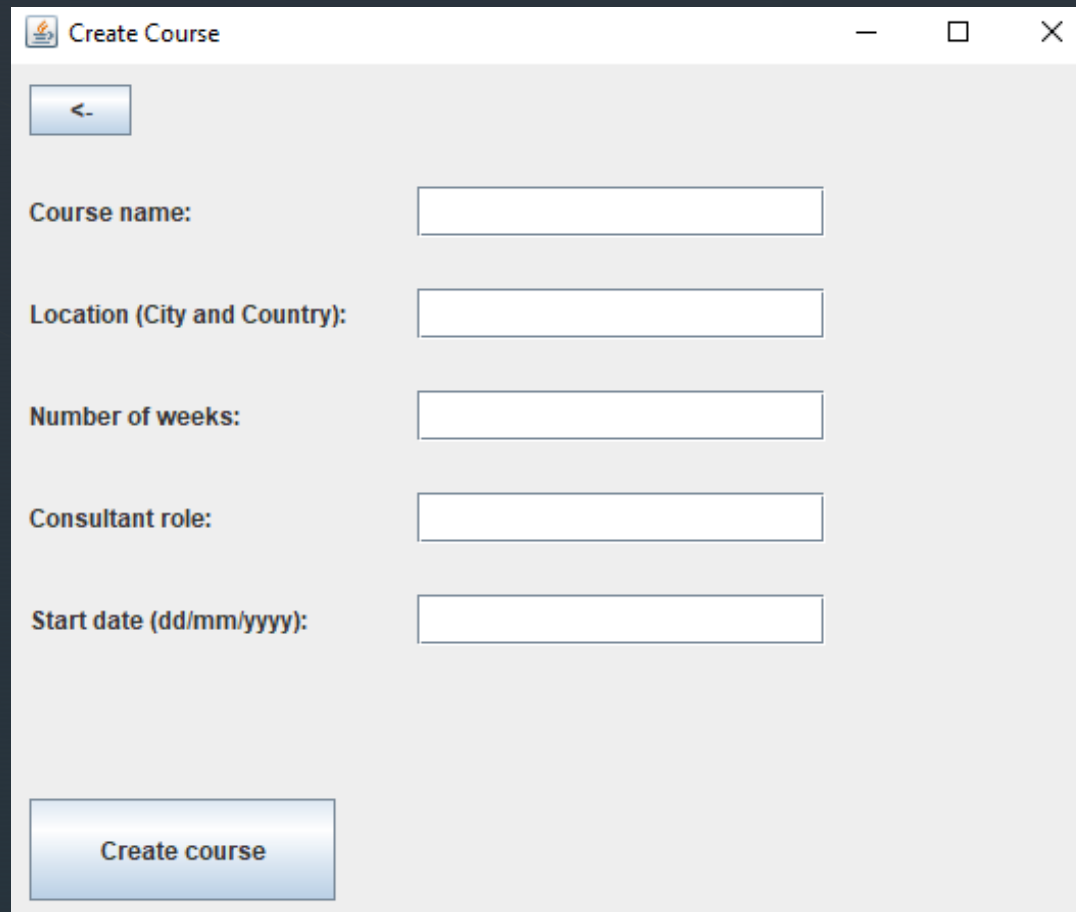
Address:

City:

Postcode:

Submit

# Create Course



A screenshot of a 'Create Course' dialog box. The window has a title bar with a small icon and the text 'Create Course', and standard minimize, maximize, and close buttons. Inside the window, there is a back button with a left arrow and a minus sign. Below this, there are five labeled text input fields: 'Course name:', 'Location (City and Country):', 'Number of weeks:', 'Consultant role:', and 'Start date (dd/mm/yyyy):'. At the bottom left of the window is a 'Create course' button.

Create Course

<-

Course name:

Location (City and Country):

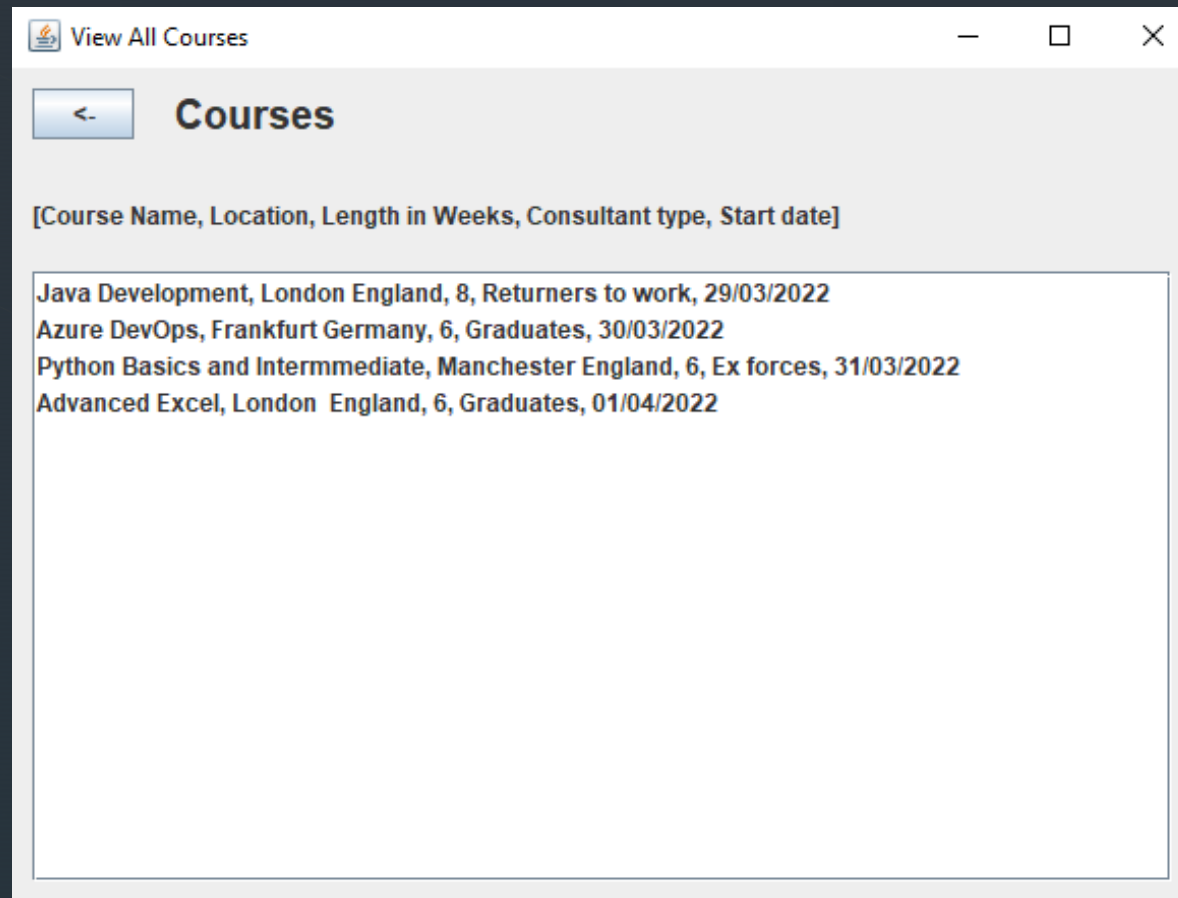
Number of weeks:

Consultant role:

Start date (dd/mm/yyyy):

Create course

# View All Courses

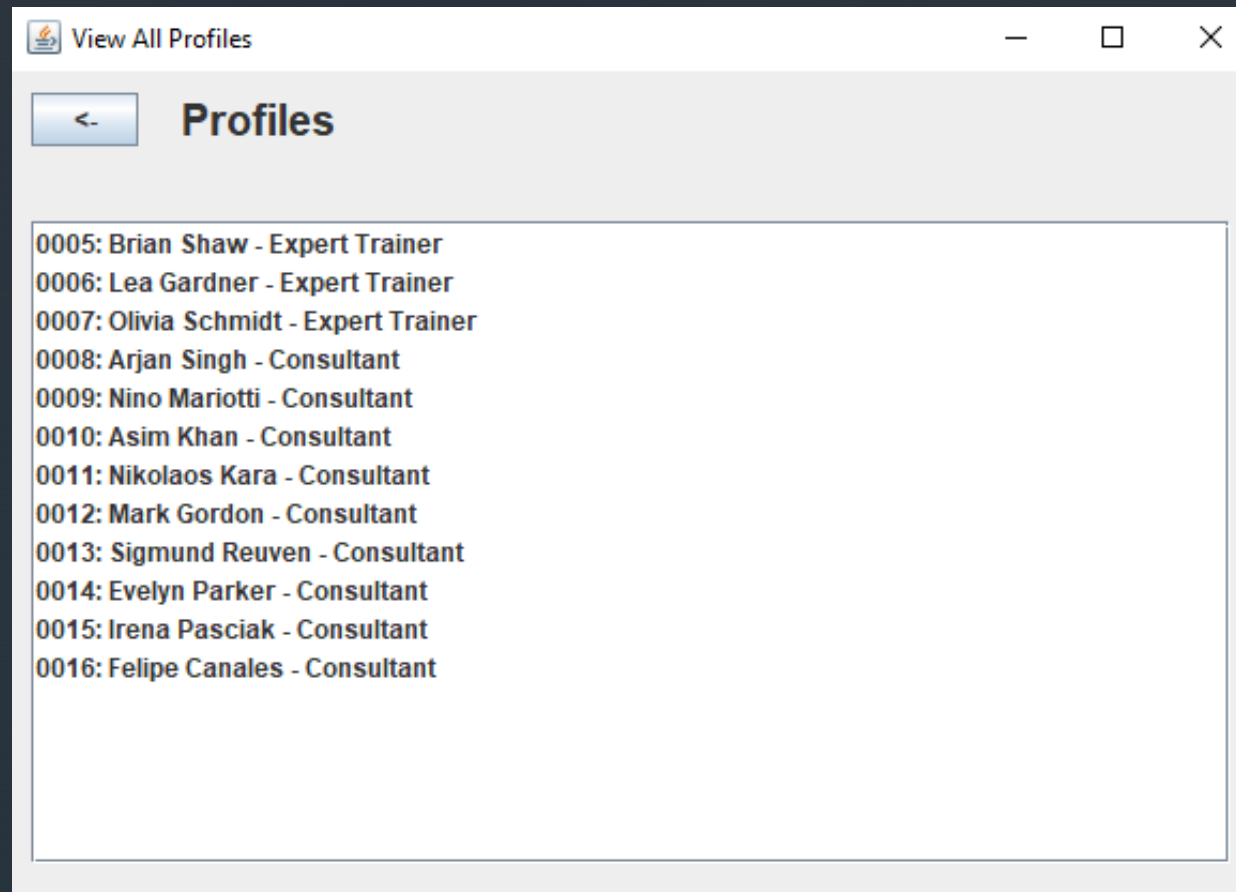


# View Modules

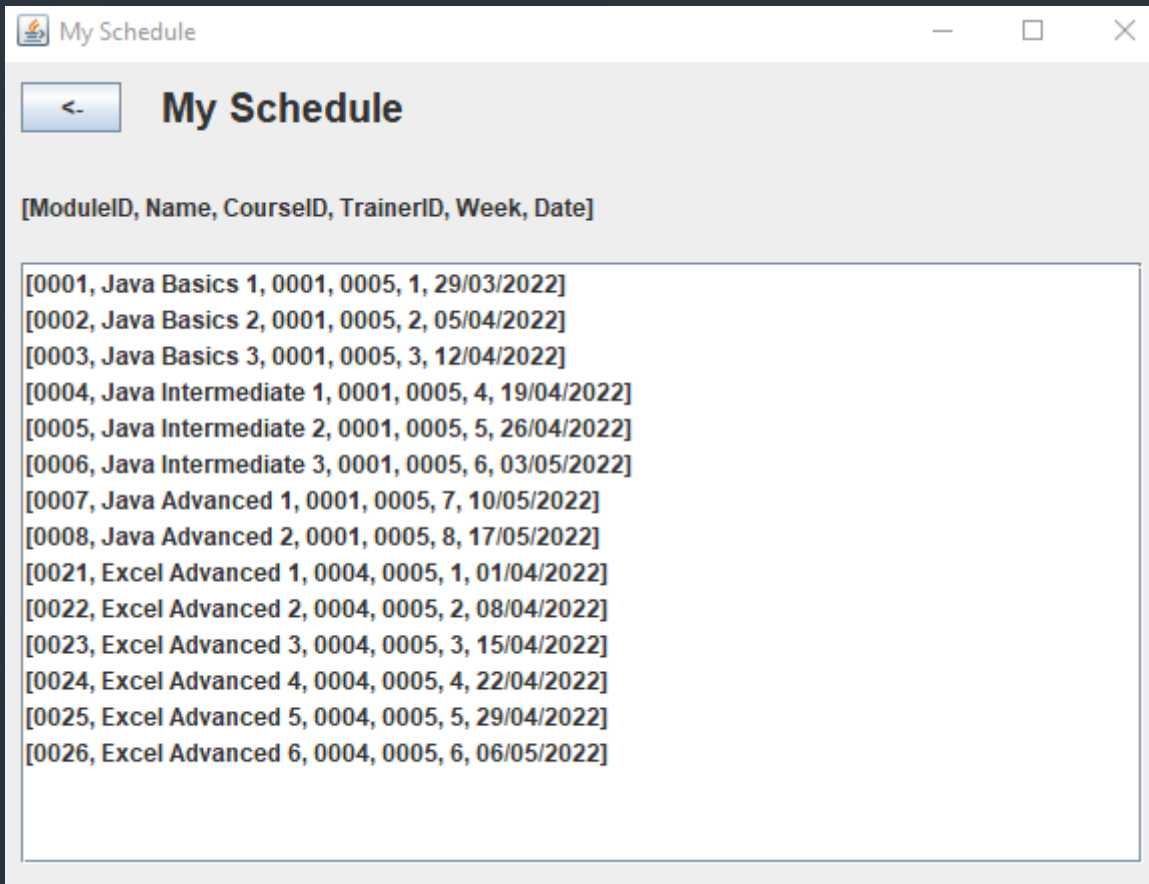
View All Courses				
<div><div>&lt;-</div><div>Courses</div></div>				
[Course Name, Location, Length in Weeks, Consultant type, Start date]				
Java Development, London England, 8, Returners to work, 29/03/2022				
Azure DevOps, Frankfurt Germany, 6, Graduates, 30/03/2022				
Python Basics and Intermmediate, Manchester England, 6, Ex forces, 31/03/2022				
Advanced Excel, London England, 6, Graduates, 01/04/2022				

Course Modules				
[ModuleID, Name, CourseID, TrainerID, Week, Date]				
0021	Excel Advanced 1	0004	0005	1, 01/04/2022
0022	Excel Advanced 2	0004	0005	2, 08/04/2022
0023	Excel Advanced 3	0004	0005	3, 15/04/2022
0024	Excel Advanced 4	0004	0005	4, 22/04/2022
0025	Excel Advanced 5	0004	0005	5, 29/04/2022
0026	Excel Advanced 6	0004	0005	6, 06/05/2022

# View All Profiles



# View Schedule

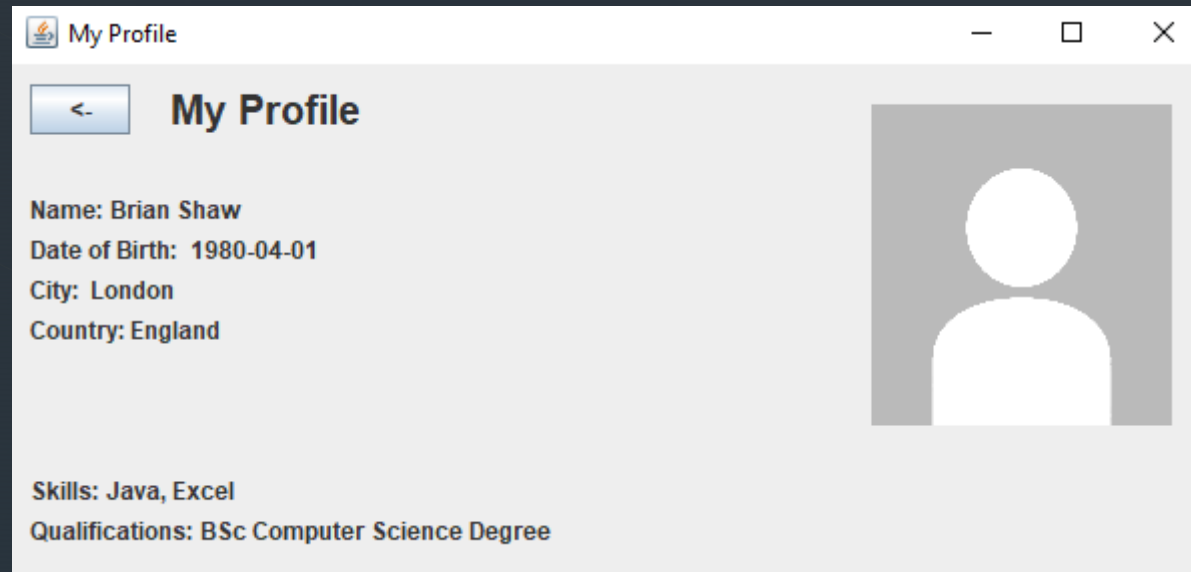


The screenshot shows a window titled "My Schedule" with a back button and a list of course modules. The list is formatted as a table with columns for ModuleID, Name, CourseID, TrainerID, Week, and Date.

ModuleID	Name	CourseID	TrainerID	Week	Date
0001	Java Basics 1	0001	0005	1	29/03/2022
0002	Java Basics 2	0001	0005	2	05/04/2022
0003	Java Basics 3	0001	0005	3	12/04/2022
0004	Java Intermediate 1	0001	0005	4	19/04/2022
0005	Java Intermediate 2	0001	0005	5	26/04/2022
0006	Java Intermediate 3	0001	0005	6	03/05/2022
0007	Java Advanced 1	0001	0005	7	10/05/2022
0008	Java Advanced 2	0001	0005	8	17/05/2022
0021	Excel Advanced 1	0004	0005	1	01/04/2022
0022	Excel Advanced 2	0004	0005	2	08/04/2022
0023	Excel Advanced 3	0004	0005	3	15/04/2022
0024	Excel Advanced 4	0004	0005	4	22/04/2022
0025	Excel Advanced 5	0004	0005	5	29/04/2022
0026	Excel Advanced 6	0004	0005	6	06/05/2022



# View Personal Profile



# Log Out

