

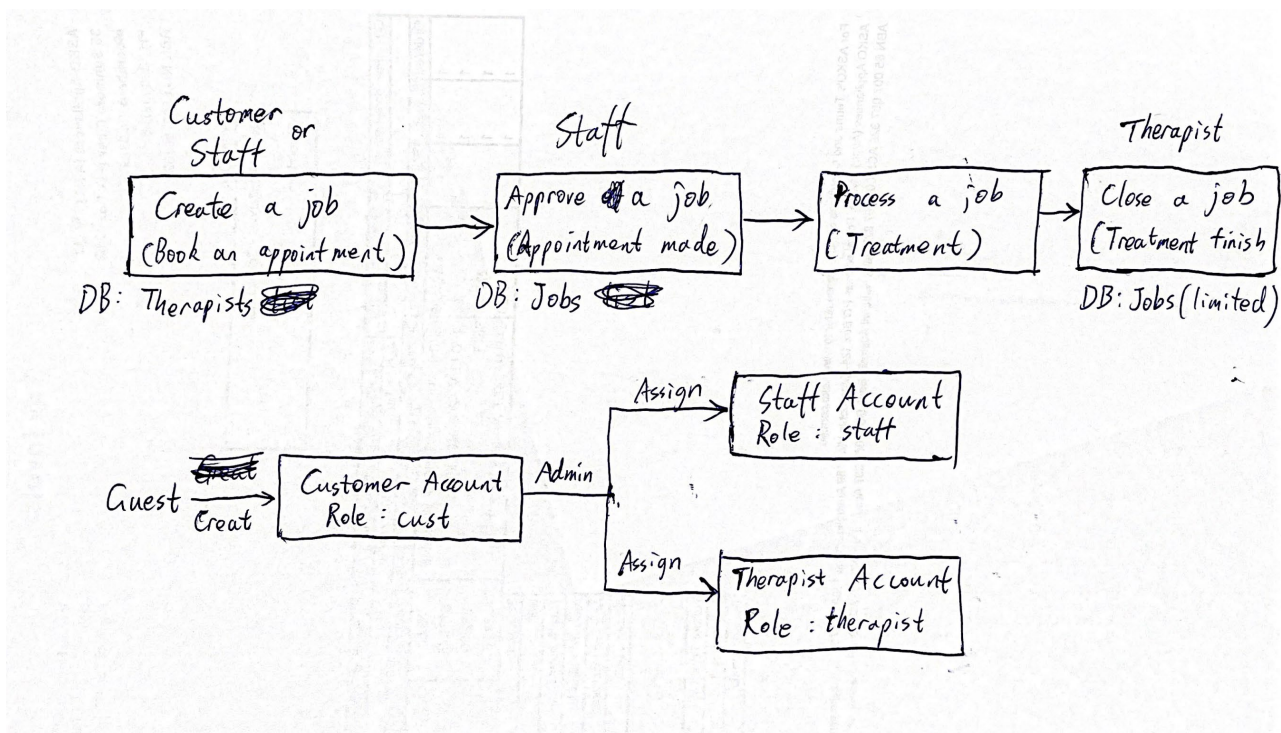
ASSIGNMENT 1

XIANGYU LIU 27503410

1. Web Application Title and Description

This web application is a booking website for PAKENHAM PHYSIOTHERAPY, a physiotherapy clinic based in Pakenham. In this web application. Guests can view the information and services of PAKENHAM PHYSIOTHERAPY. Guests can register as a customer. A customer can book an appointment with physiotherapists. The administrator can add an account to physiotherapists as therapist role. If an account is in therapist role, it can view all users booked with this physiotherapist. A staff role can view existing booking and create booking for calling or walk-in customers. An administrator role can view and do everything above and it is the only role that can assign roles to accounts.

2. High Level Block Diagram



3. Use case Diagram

- BR (C.1): Role based authentication:

	Guest	Customer	Therapist	Staff	Administrator
View Information	•	•	•	•	•
Create User	•	•	•	•	•
Create Jobs		•		•	•
Delete Jobs		•		•	•
Close Jobs			•		•
Assign Roles					•

The Administrator role is unique, and it was created with the web application, and it cannot be changed. Guests is who opening web application without logged in cookie.

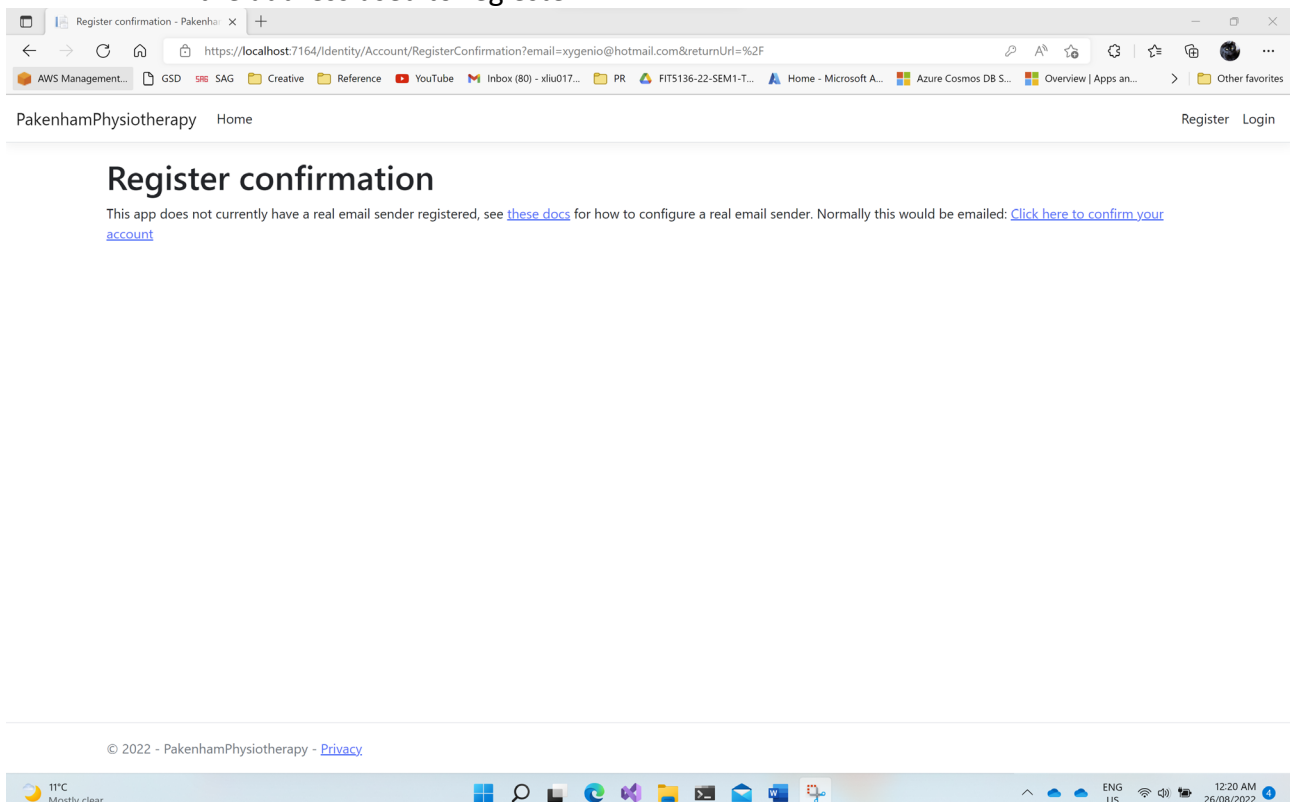
- BR (C.2): Validations:
Views has validation based on roles
Email using in create user has unique validation.
- BR (C.3): Interactive Table Data:
Therapist can interact with jobs table with CRUD
Administrator can interact with users, jobs, roles table with CRUD

4. Validations

- Validation of BR (D.2): Email:
Success: When creating a new user. The web application will show an email confirmation view to waiting for email confirmation. Successfully creating or cancel jobs will send emails to the email address belongs to the operating user.
- Validation of BR (C.3): Interactive Table Data:
Success: Administrator can interact with tables of users, jobs, roles with functions of Create, Read, Update and Delete.
- Validation of BR (C.1): Role based authentication:
Failure: A customer want to close a job.
Failure: A Therapist want to delete a job.
Success: A customer want to create(book) a job

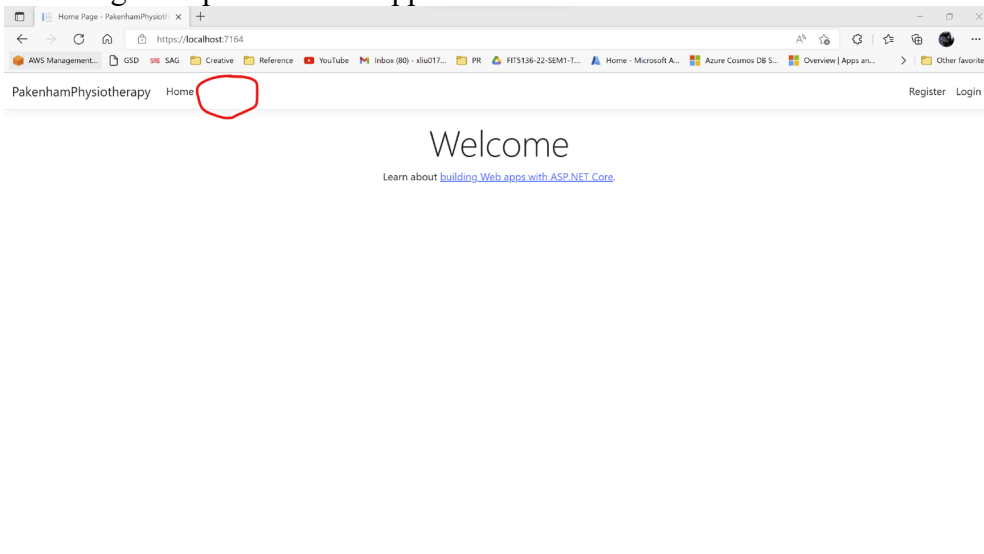
5. Mockup Prototypes Design

- BR (D.2): Email: When creating a new user. The web application will send email to the address used to register

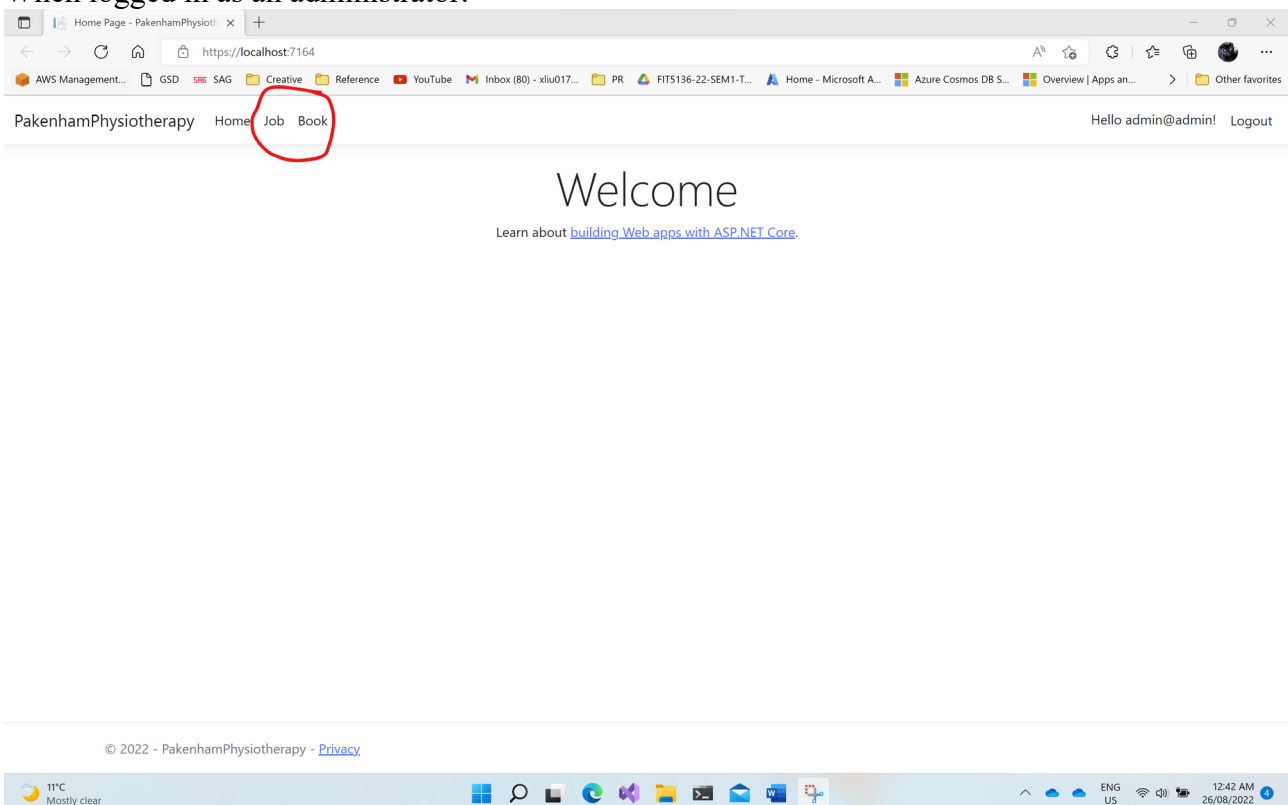


- BR (C.1): Role based authentication:

When a guest opens the web app:



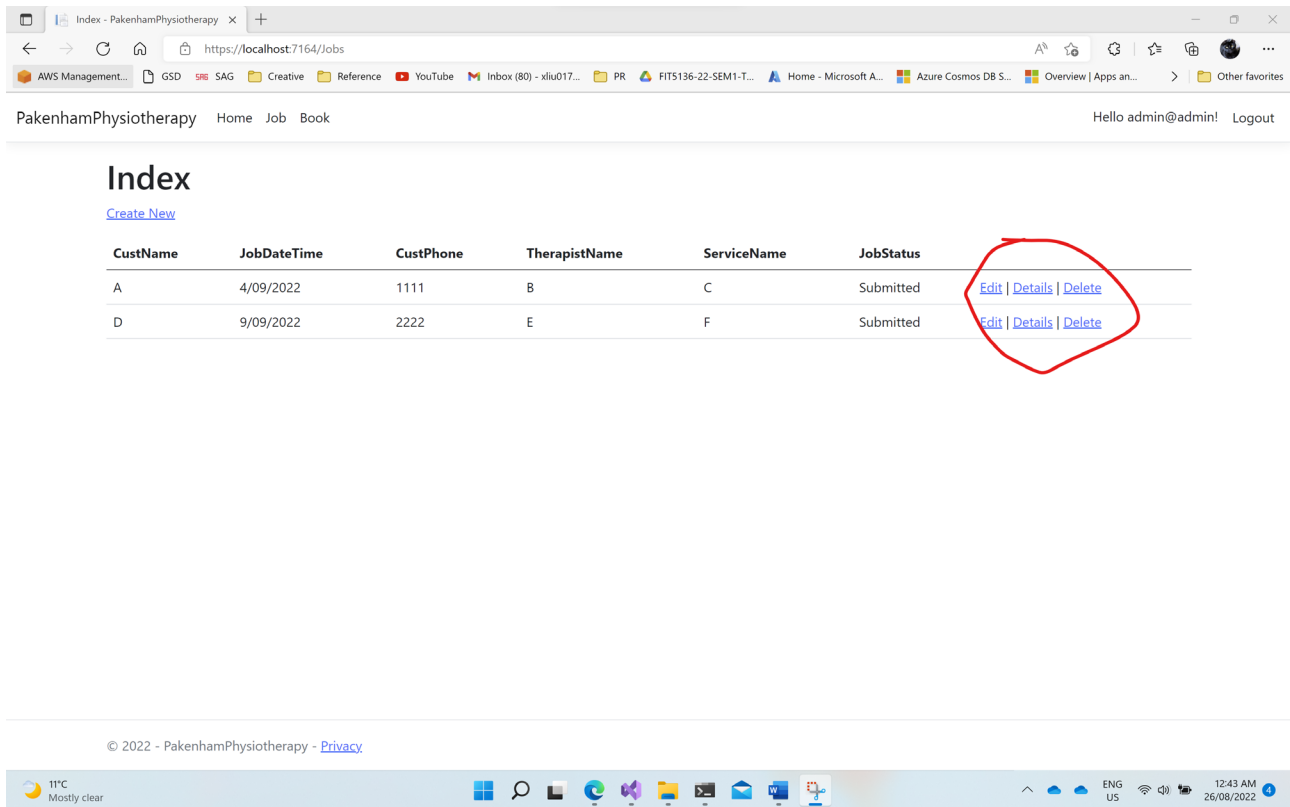
When logged in as an administrator:



When logged in as a customer:

The “Job” Tab in shared bar is disappeared. This is because a customer role doesn’t have authorization to access job list.

- BR (C.3): Interactive Table Data:



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https://localhost:7164/

PakenhamPhysiotherapy Home Job Book Hello admin@admin! Logout

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[Create New](#)

CustName	JobDateTime	CustPhone	TherapistName	ServiceName	JobStatus	
A	4/09/2022	1111	B	C	Submitted	Edit Details Delete
D	9/09/2022	2222	E	F	Submitted	Edit Details Delete

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11°C Mostly clear 12:43 AM 26/08/2022

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Signature: Xiangyu Liu