

PoliCare

POLICY MANAGEMENT SYSTEM

TEAM 05

Team Members:

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Guided By:

Javeed

TECHNOLOGIES USED

❑ Back-end

- Spring Boot
- Tested the API end points using Postman application.
- Languages used Java.

❑ Front-end

- Framework –Angular
- Languages used for markup - (HTML), styling (CSS), and scripting (TypeScript).

PROBLEM STATEMENT

- Policy Management System (PMS) is basically a system that helps to maintain the Policies and Payments. It also allows to search a Policy and allow end users to manage policies with ease.
- The following section will cover aspects related to the Policy Management System.
 - User Registration.
 - Policy Registration.
 - Search Policies.

DESCRIPTION

- The Policy Management System (PMS) is a tool designed to help users manage policies and payments easily.
- It allows users to register themselves and buy policies, as well as search for specific policies.
- Admin can handle the policies, users and policies user has been registered for.
- Additionally we have added claims module to apply claim for the policy they've registered.

MODULES

☐ **User Registration Module**

- a. This module allows new users to register themselves in the system.
- b. The system validates the provided information and saves it in the database.
- c. Users are categorized based on their income per year into different types (A, B, C, D, E).

☐ **Policy Registration Module**

- a. Admin registers, updates policies in the system.
- b. The policy details are stored in database and unique policyId is used to identify the policies in database.

MODULES

☐ Search Policies Module

- This module allows users to search for policies based on specific criteria.
- Users input their search criteria, and the system accesses the database to retrieve relevant policy information.
- Search criteria may include policy name, company, policy type, user type, etc.
- The system displays search results matching the user's criteria, facilitating easy access to policy information.

☐ User-Policy Registration Module

- This module allows users to register for the policy based on their employer category from the policies available in search Policies Module.

MODULES

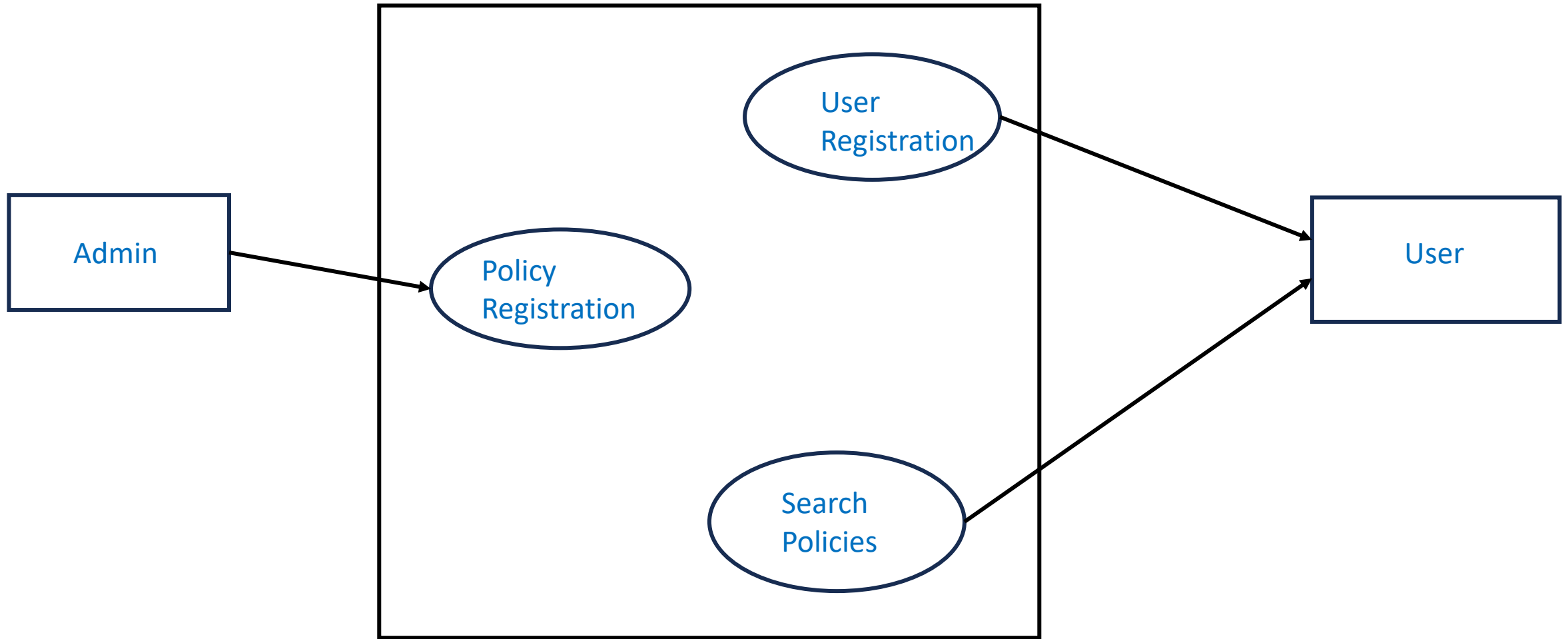
☐ **Payment Module**

- In this module the payment details for the policy are calculated based on the payment date and we have added few of the payment methods where the user can choose one of them.

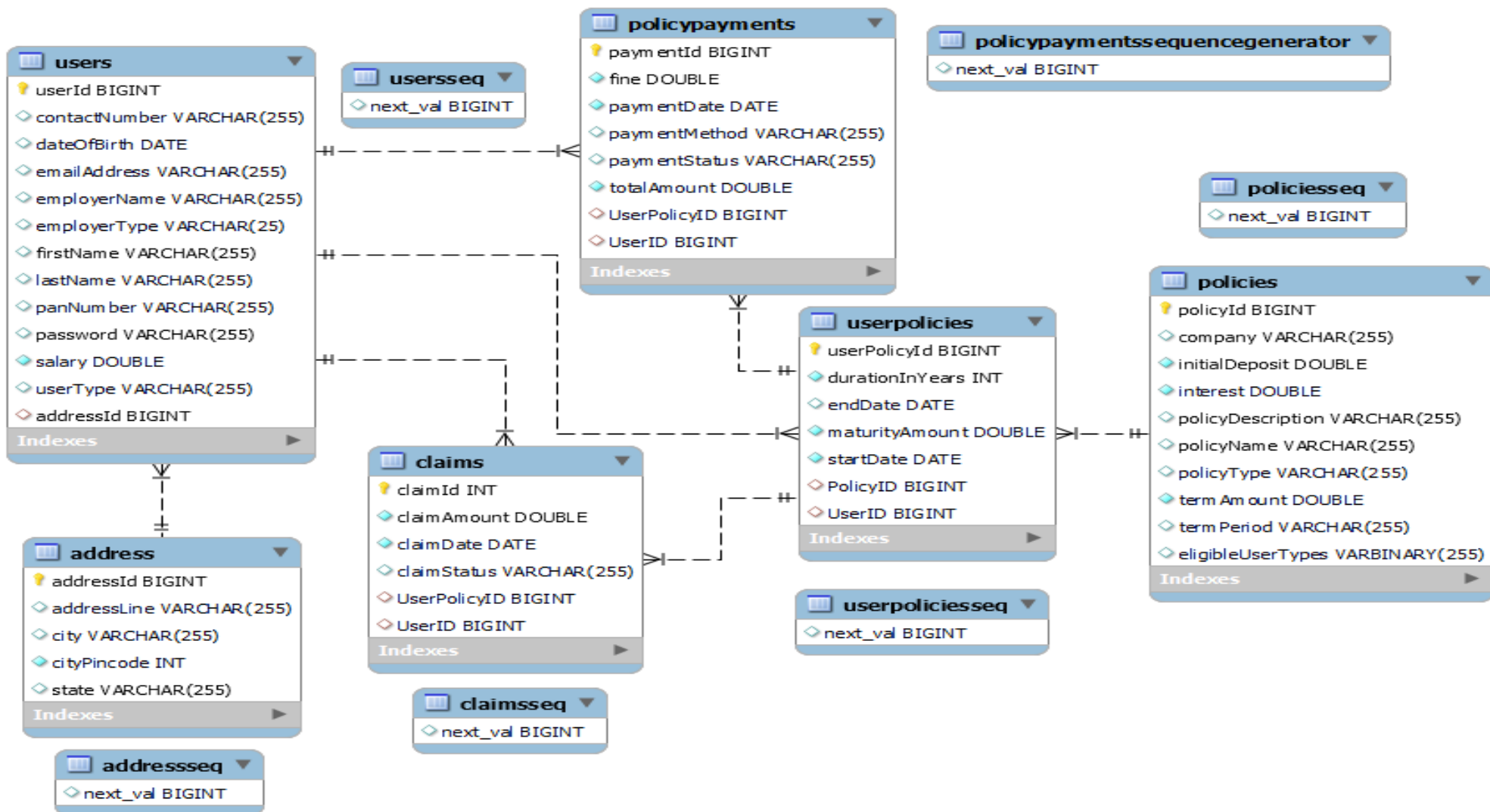
☐ **Claims Module**

- We have added this module where user can claim the policy they have registered.

USE CASE DIAGRAM

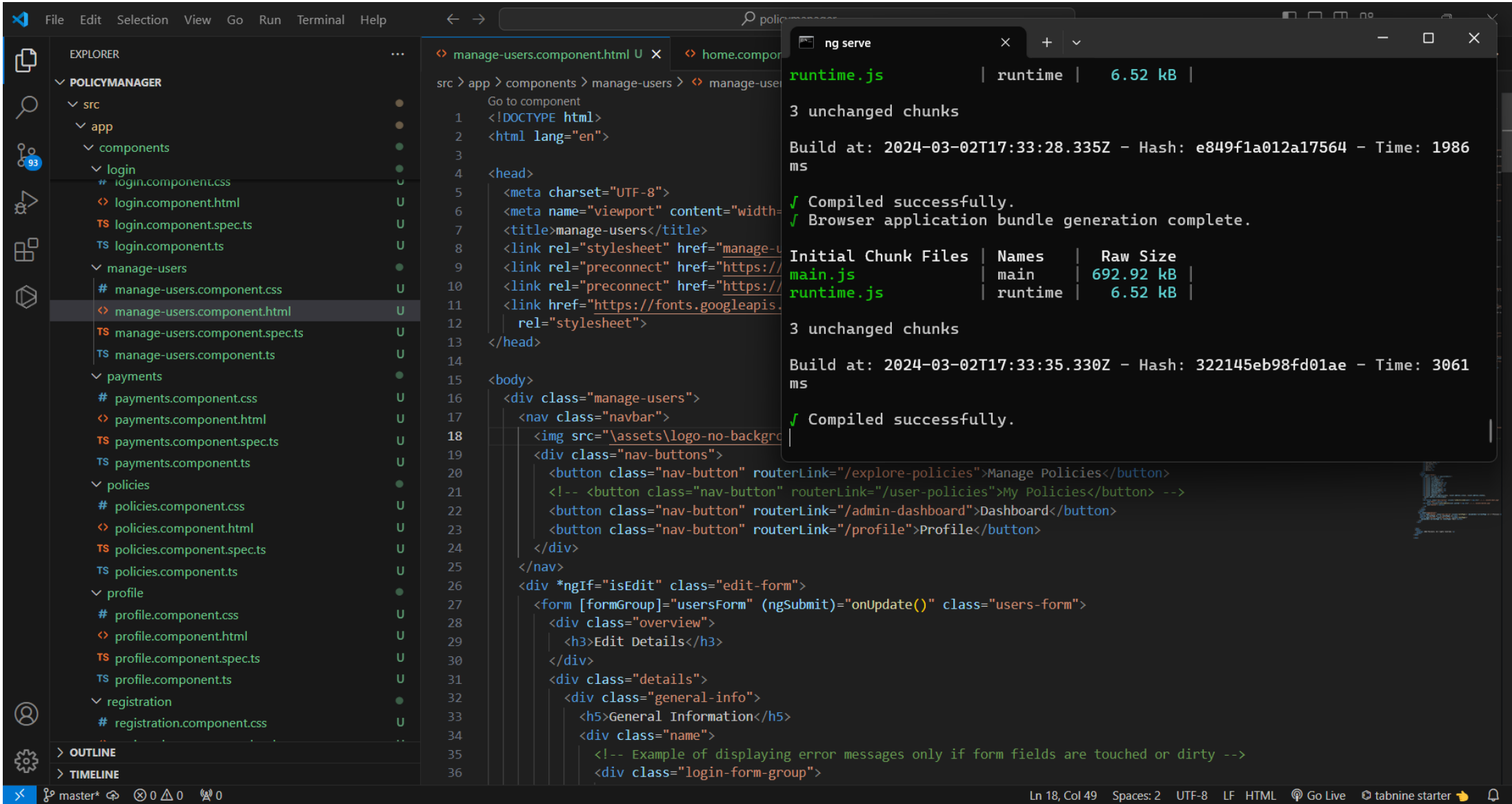


ER DIAGRAM





FRONT END



The screenshot shows a Visual Studio Code editor with a project named "POLICYMANAGER". The Explorer panel on the left lists the project structure, including folders like "src", "app", "components", "login", "manage-users", "payments", "policies", "profile", and "registration". The main editor displays the code for "manage-users.component.html". The code includes a header with a meta charset, a viewport, and a title. It also includes a navigation bar with buttons for "Manage Policies", "My Policies", "Dashboard", and "Profile". The main content area contains a form for editing user details, with a section for "General Information" and a section for "Login Form Group".

The terminal window on the right shows the output of the "ng serve" command. It indicates that the build was successful and that the browser application bundle generation is complete. The terminal also shows the initial chunk files and their raw sizes.

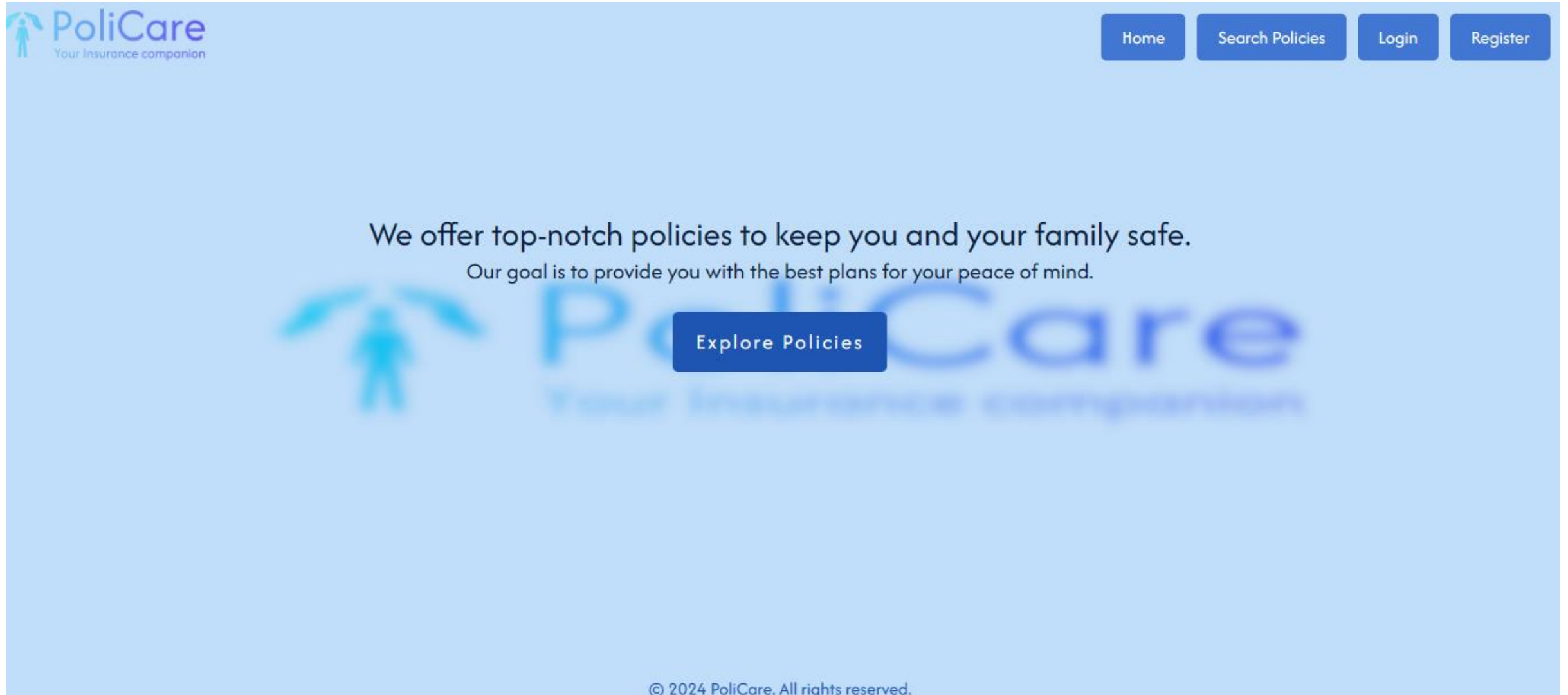
Initial Chunk Files	Names	Raw Size
main.js	main	692.92 kB
runtime.js	runtime	6.52 kB

Build at: 2024-03-02T17:33:28.335Z - Hash: e849f1a012a17564 - Time: 1986 ms

Build at: 2024-03-02T17:33:35.330Z - Hash: 322145eb98fd01ae - Time: 3061 ms

OUTPUTS


☐ Home Page



04-03-2024

OUTPUTS

[Search Policies Page](#)



[Login](#)[Register](#)[Home](#)

Log in to Buy Now!

Select Filter Method

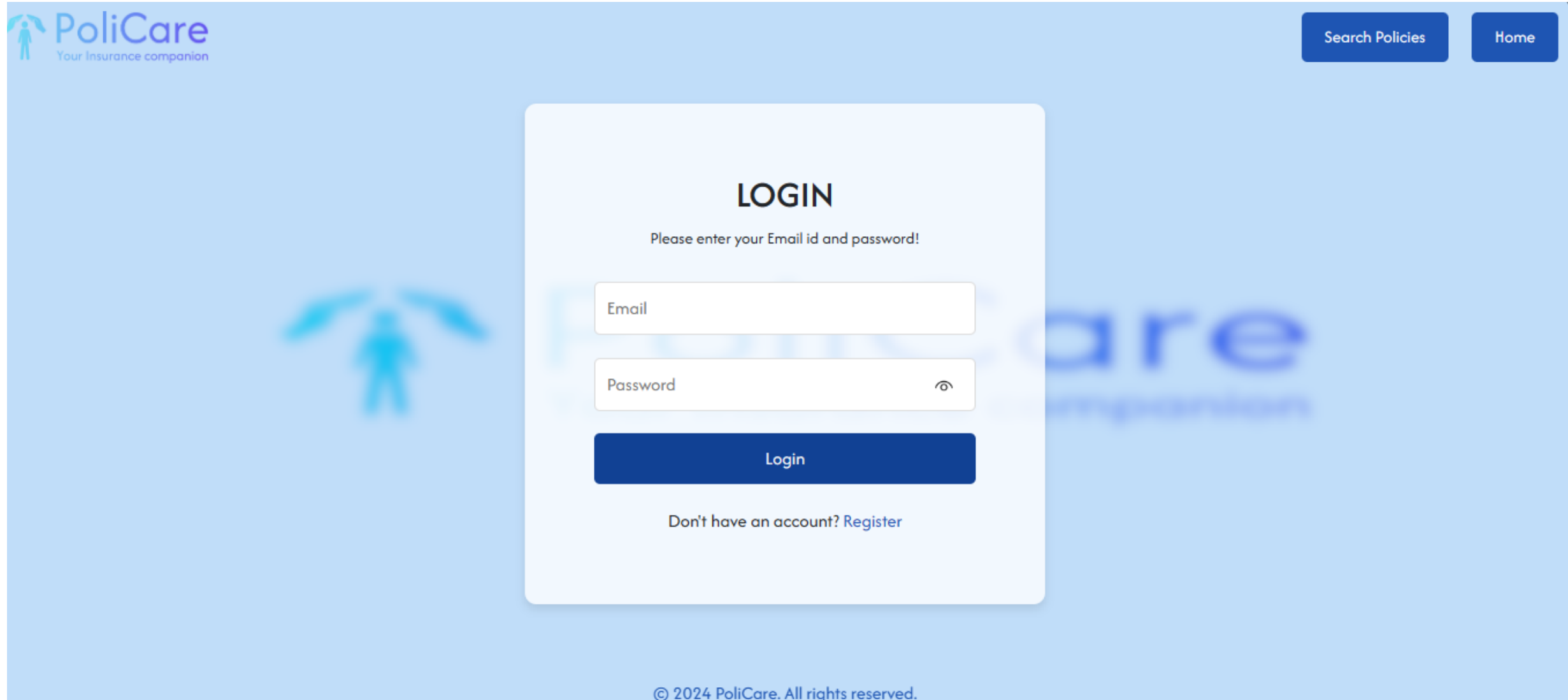
Policy Id	Policy Name	Description	Company	Type	Initial Deposit	Term Period	Term Amount	Interest	Eligible Employer Types
100000	Retirement Insurance	Helps you build a corpus for a comfortable retirement, with regular contributions and tax benefits.	Bajaj	Retirement Plans	500	Quarterly	300	4	A,B
100001	Bala Balika Yojana	A savings plan designed to secure your child's educational future, providing funds for higher education expenses.	LIC	Child Plans	2000	Monthly	200	3.5	A,C
100002	Vahana Bhadratha	Provides vehicle insurance	Bajaj	Vehicle Insurance	10000	Monthly	1200	1	A,B,C
100006	Term Life Protection Plan	This policy provides coverage to your loved ones in the event of your death during the term of policy.	LIC	Life Insurance	25000	Quarterly	966	1.5	A,B,C,D

[Previous](#)1 / 2[Next](#)

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OUTPUTS

📄 Login Page



The screenshot displays the login interface for PoliCare. The background is a light blue gradient with a faint, large-scale logo of a person under an umbrella. In the top-left corner, the PoliCare logo is visible, featuring a blue umbrella icon and the text 'PoliCare Your Insurance companion'. In the top-right corner, there are two dark blue buttons: 'Search Policies' and 'Home'. The central focus is a white login card with a subtle shadow. At the top of this card, the word 'LOGIN' is written in bold black letters. Below it, a message reads 'Please enter your Email id and password!'. There are two input fields: 'Email' and 'Password'. The 'Password' field includes a toggle icon (an eye) on its right side. A dark blue 'Login' button is positioned below the input fields. At the bottom of the card, a link states 'Don't have an account? Register'. The footer of the page, located at the bottom center, contains the copyright notice '© 2024 PoliCare. All rights reserved.'

PoliCare
Your Insurance companion

Search Policies Home

LOGIN

Please enter your Email id and password!

Email

Password

Login

Don't have an account? [Register](#)

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04-03-2024

OUTPUTS

Registration Page



Search Policies

Home

Create Account

General Information

First Name

Last Name

Date Of Birth

PAN Number

Salary

Employer Name

User Type



Contact Details

Email Address

Contact Number

Address

Street

City

Pincode

State

Password



Register

OUTPUTS

☐ Admin Dashboard



04-03-2024

OUTPUTS

Manage Policies Page



Manage Registered Policies

Add New Policy

Dashboard

Profile

Logout

Select Filter Method ▼


Policy Id	Policy Name	Description	Company	Type	Initial Deposit	Term Period	Term Amount	Interest	Eligible Employer Types	Edit	Delete
100000	Retirement Insurance	Helps you build a corpus for a comfortable retirement, with regular contributions and tax benefits.	Bajaj	Retirement Plans	500	Quarterly	300	4	A,B		
100001	Bala Balika Yojana	A savings plan designed to secure your child's educational future, providing funds for higher education expenses.	LIC	Child Plans	2000	Monthly	200	3.5	A,C		
100002	Vahana Bhadratha	Provides vehicle insurance	Bajaj	Vehicle Insurance	10000	Monthly	1200	1	A,B,C		
100006	Term Life Protection Plan	This policy provides coverage to your loved ones in the event of your death during the term of policy.	LIC	Life Insurance	25000	Quarterly	966	1.5	A,B,C,D		

Previous1 / 2Next

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OUTPUTS

Manage-Users

PoliCare
Your Insurance companion

Manage PoliciesDashboardProfile

Select Filter ▼

User Id	First Name	Last Name	Mobile Number	Email Address	Date of Birth	User Type	Employer Type	Employer Name	Pan Number	Salary	Address	Edit	Delete
10000	Rupa	Karella	6302523354	rupakarella212@gmail.com	2001-12-11	Admin	B	Hexaware	ABCDE1234F	78965	4/407-3A, Sai Towers, Tanuku, Andhra Pradesh, 534211		
10001	Kusuma	Karella	8639252029	kusuma@gmail.com	1984-01-20	User	B	Sasi Institutions	DFGHB6789Y	52146	MIG 33, Sri Surya Sai Bhavan, Tanuku, Andhra Pradesh, 534211		
10002	Mahesh	Karella	9247237178	maheshkarella@gmail.com	2005-08-20	User	B	Deloitte	ASDFR5432W	54869	4-6-20, Vuta Vari Veedhi, Old Town, Tanuku, Andhra Pradesh, 534211		


Previous1 / 1Next

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OUTPUTS

Profile



Manage PoliciesDashboardLogout

Profile

Edit

General Details

User ID: 10000

Name: Rupa Karella

Date of Birth: 2001-12-11

Employer Name: Hexaware

Employer Type: B

PAN Number: ABCDE1234F

Salary: 78965

User Type: Admin

Contact Details

Email: rupakarella212@gmail.com

Contact Number: 6302523354

Address

Address Line: 4/407-3A, Sai Towers

City: Tanuku

City Pincode: 534211


State: Andhra Pradesh

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OUTPUTS

❏ Policy Registration Page



[Manage Registered Policies](#)[Add New Policy](#)[Dashboard](#)[Profile](#)[Logout](#)


Add New Policy

<input type="text" value="Policy Name"/>	<input type="text" value="Company"/>
<div>Select Policy Type▼</div>	<div>Select Term Period▼</div>
<input type="text" value="Initial Deposit"/>	<input type="text" value="Term Amount"/>
<input type="text" value="Interest"/>	<input type="text" value="Enter Eligible UserTypes"/>
<div><input type="text" value="Policy Description"/></div>	
<div>Register</div>	

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OUTPUTS

Manage Claims



Manage Policies







Manage Registered Policies

Payments

Dashboard

Profile

Search by

Claim ID	Claim Date	Claim Amount	Claim Status	UserPolicyId	Edit	Delete
130005	2024-03-02	160	Pending	40001		
130007	2024-03-02	520	Approved	40001		
130008	2024-03-02	1256	Pending	40002		

Previous

1 / 1


Next

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04-03-2024

OUTPUTS

☐ Payments Page



Manage PoliciesDashboardProfile

Filter By:

Select Filter

Search

Payment Id	Payment Date	Payment Status	Fine	Total Amount	Payment Method	User Policy Id
202	2024-02-29	Completed	0	300	Credit Card	40001
302	2024-03-02	Completed	0	300	Cash	40002
303	2024-03-02	Completed	0	300	Debit Card	40003

Previous1 / 1Next

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OUTPUTS

☐ Payments Registration Page



Manage PoliciesDashboardProfile

Select Filter Method:

Select Filter Method

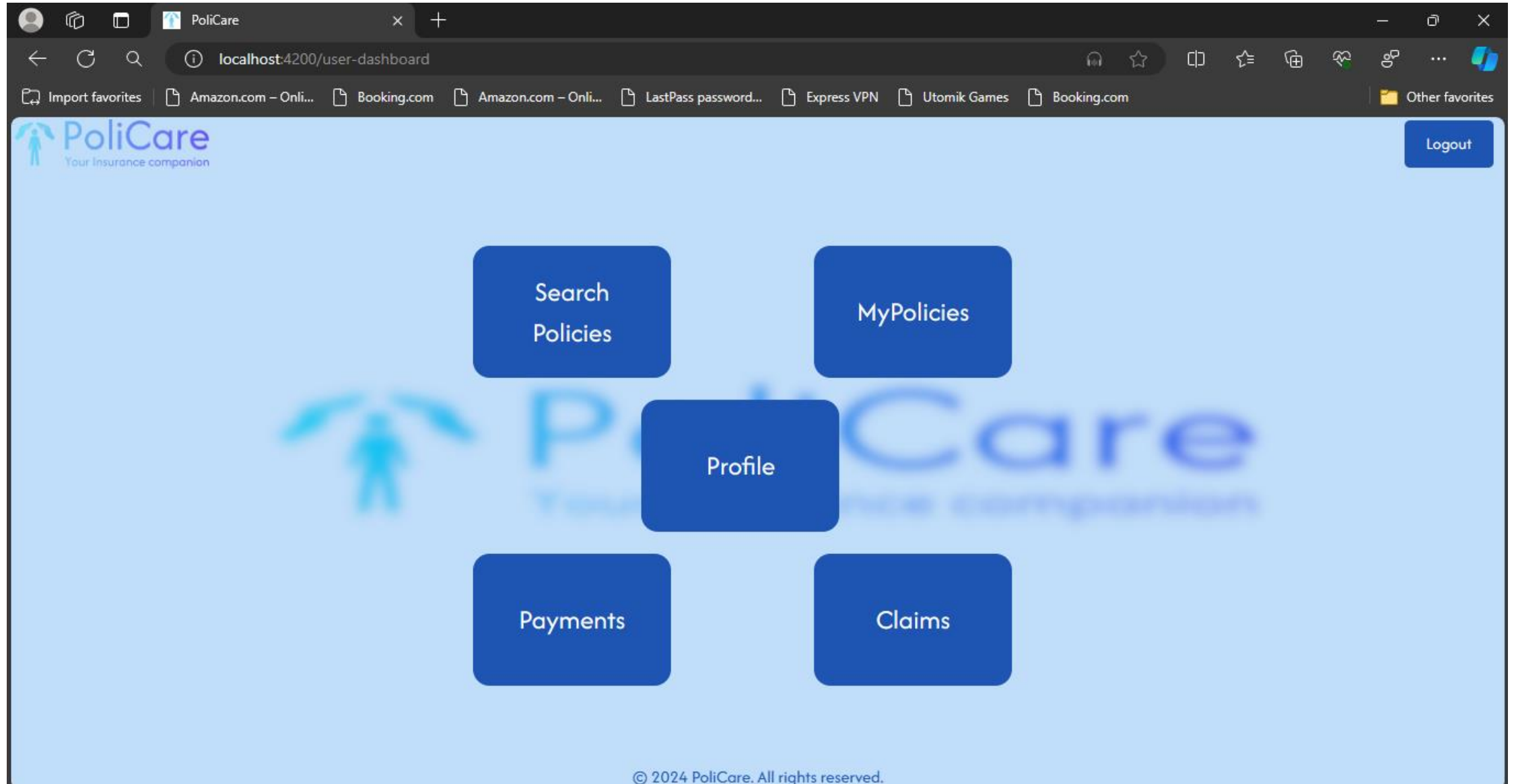
UserPolicyId	UserId	Username	Start Date	End Date	Maturity Amount	Duration(Years)	PolicyId	Policy Name	Initial Deposit	Term Period	Term Amount	Interest	Edit	Delete
40001	10001	kusuma@gmail.com	2024-03-04	2028-03-04	5492	4	100000	Retirement Insurance	500	Quarterly	300	4		
40002	10001	kusuma@gmail.com	2024-03-02	2028-03-02	5492	4	100000	Retirement Insurance	500	Quarterly	300	4		
40003	10001	kusuma@gmail.com	2024-03-02	2029-03-02	6740	5	100000	Retirement Insurance	500	Quarterly	300	4		
40004	10002	maheshkarella@gmail.com	2024-12-11	2029-12-11	16060	5	100002	Vahana Bhadratha	10000	Monthly	1200	1		

Previous1 / 1Next

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OUTPUTS

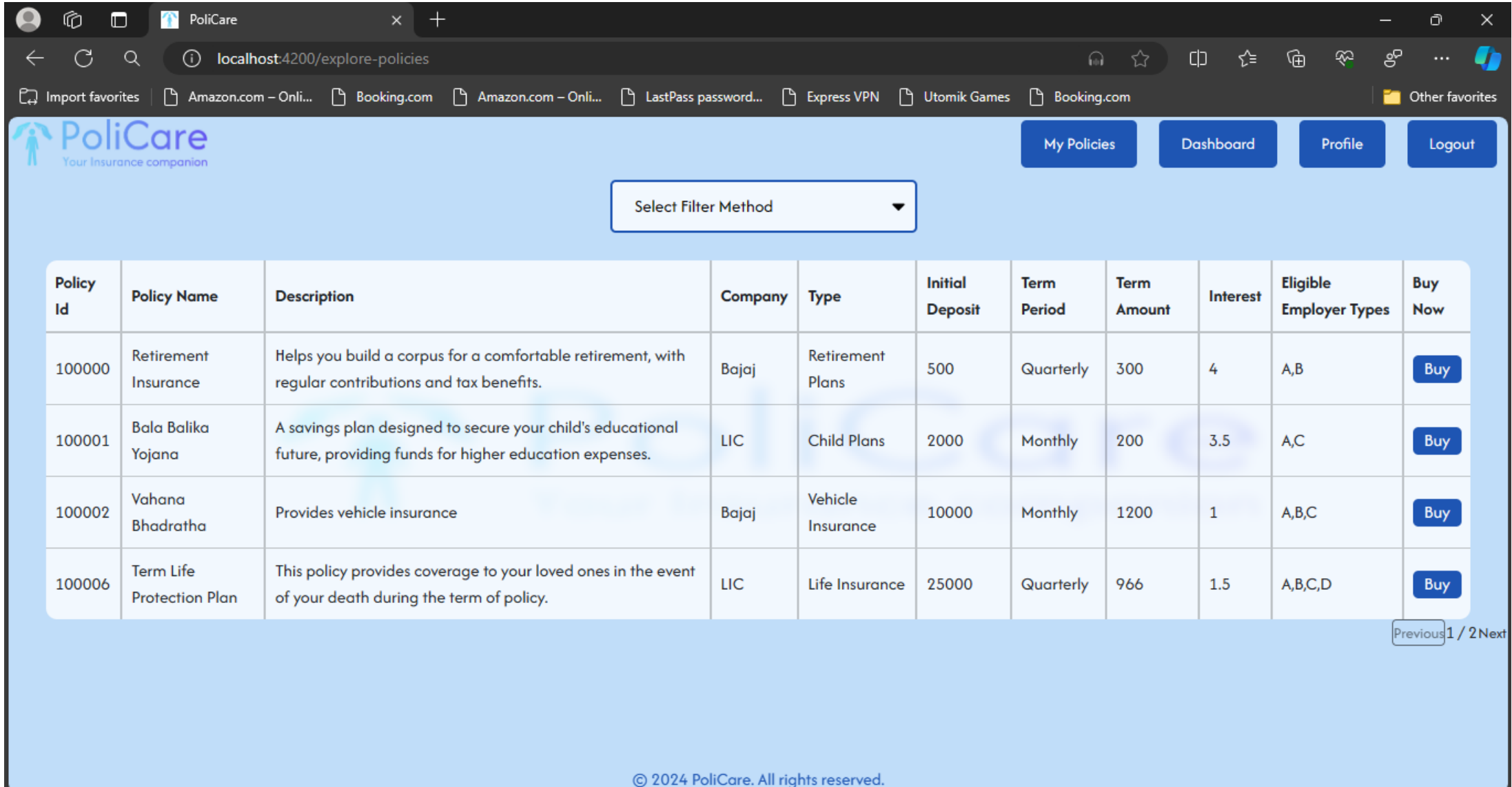
Users Dashboard



04-02-2024

OUTPUTS

☐ Explore Policies Page



The screenshot shows a web browser window with the address bar displaying 'localhost:4200/explore-policies'. The browser's bookmark bar includes 'Import favorites', 'Amazon.com - Onli...', 'Booking.com', 'Amazon.com - Onli...', 'LastPass password...', 'Express VPN', 'Utomik Games', and 'Booking.com'. The page header features the PoliCare logo with the tagline 'Your Insurance companion' on the left, and navigation buttons for 'My Policies', 'Dashboard', 'Profile', and 'Logout' on the right. Below the header is a 'Select Filter Method' dropdown menu. The main content area contains a table with four rows of policy information. Each row includes a 'Policy Id', 'Policy Name', 'Description', 'Company', 'Type', 'Initial Deposit', 'Term Period', 'Term Amount', 'Interest', 'Eligible Employer Types', and a 'Buy Now' button. The table is followed by a pagination control showing 'Previous', '1 / 2', and 'Next'. The footer of the page states '© 2024 PoliCare. All rights reserved.'

Policy Id	Policy Name	Description	Company	Type	Initial Deposit	Term Period	Term Amount	Interest	Eligible Employer Types	Buy Now
100000	Retirement Insurance	Helps you build a corpus for a comfortable retirement, with regular contributions and tax benefits.	Bajaj	Retirement Plans	500	Quarterly	300	4	A,B	<button>Buy</button>
100001	Bala Balika Yojana	A savings plan designed to secure your child's educational future, providing funds for higher education expenses.	LIC	Child Plans	2000	Monthly	200	3.5	A,C	<button>Buy</button>
100002	Vahana Bhadratha	Provides vehicle insurance	Bajaj	Vehicle Insurance	10000	Monthly	1200	1	A,B,C	<button>Buy</button>
100006	Term Life Protection Plan	This policy provides coverage to your loved ones in the event of your death during the term of policy.	LIC	Life Insurance	25000	Quarterly	966	1.5	A,B,C,D	<button>Buy</button>

Previous 1 / 2 Next

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04-02-2024

OUTPUTS

User Policies Page

PoliCare

Policy Management system.pdf

localhost:4200/user-policies

Import favoritesGmailMapsEvolution of Microp...Dell

PoliCare

Your Insurance companion

Search Policies

Dashboard


Profile

UserPolicyId	Start Date	End Date	Maturity Amount	Duration In Years	Policy Id	Policy Name	Initial Deposit	Term Period	Term Amount	Interest	Register Claim	Do Payment
40013	2024-11-28	2028-11-28	105800	4	100001	RoadGuard	5000	Annually	1000	4	<div>Claim</div>	<div>Pay</div>
40014	2024-10-23	2029-10-23	41800	5	100000	Child Plans Policy	4000	Quarterly	1800	5	<div>Claim</div>	<div>Pay</div>
40015	2024-11-28	2025-11-28	13400	1	100002	Jeevan Suraksha	5000	Quarterly	2000	5	<div>Claim</div>	<div>Pay</div>
40017	2024-03-02	2027-03-02	26680	3	100000	Child Plans Policy	4000	Quarterly	1800	5	<div>Claim</div>	<div>Pay</div>

Previous1 / 1Next

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OUTPUTS



Search Policies

My Policies

Payments

Dashboard

Profile

Search by ▼

Claim ID	Claim Date	Claim Amount	Claim Status	UserPolicyId
130005	2024-03-02	160	Pending	40001
130007	2024-03-02	520	Approved	40001
130008	2024-03-02	1256	Pending	40002

Previous

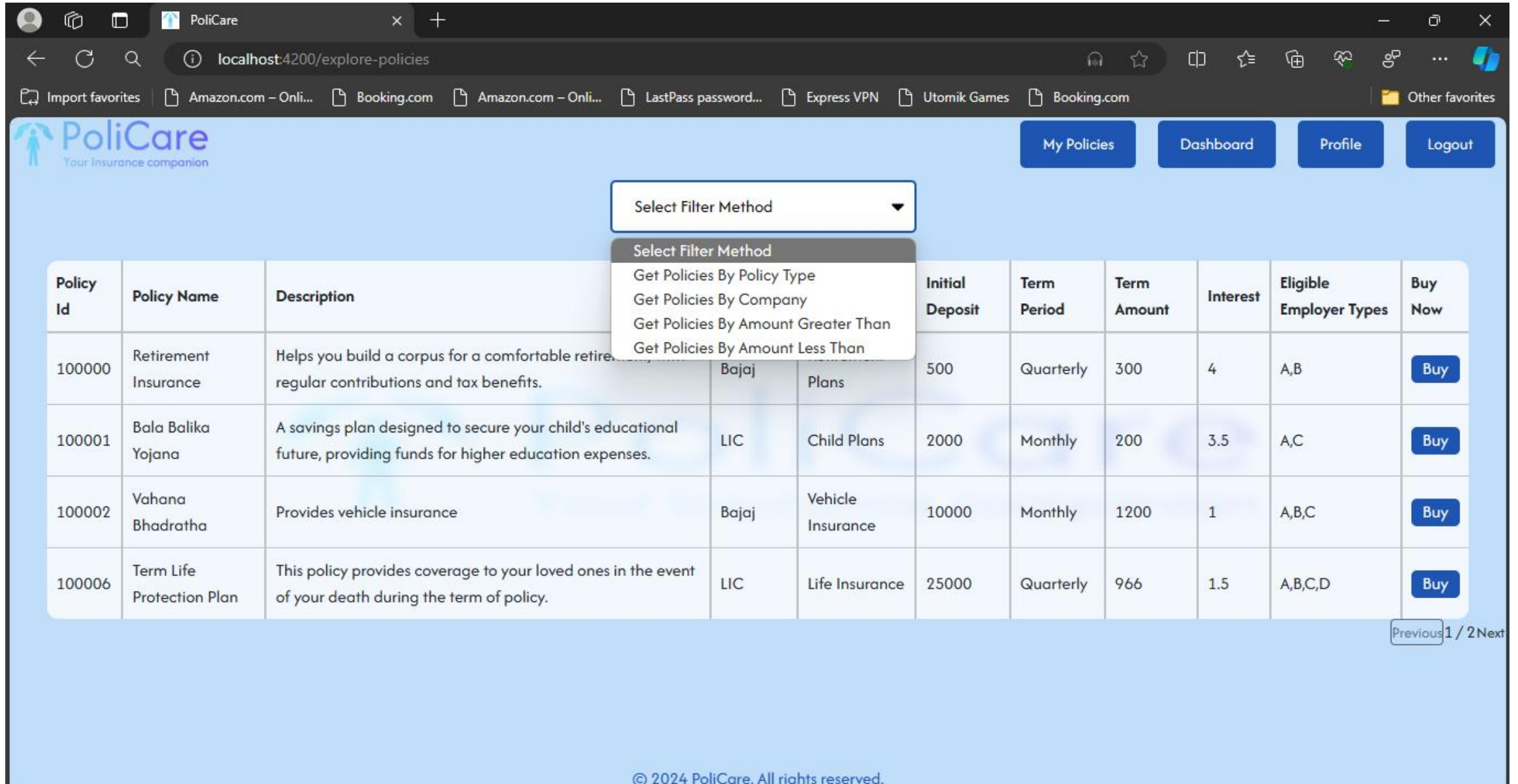
1 / 1

Next

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OUTPUTS

Search Filters



The screenshot displays the PoliCare web application interface. At the top, the browser address bar shows `localhost:4200/explore-policies`. The application header includes the PoliCare logo and navigation buttons: **My Policies**, **Dashboard**, **Profile**, and **Logout**.

A dropdown menu titled "Select Filter Method" is open, showing the following options:

- Select Filter Method
- Get Policies By Policy Type
- Get Policies By Company
- Get Policies By Amount Greater Than
- Get Policies By Amount Less Than

The main content area features a table of insurance policies. The table has the following columns: Policy Id, Policy Name, Description, Company, Plan, Initial Deposit, Term Period, Term Amount, Interest, Eligible Employer Types, and Buy Now.

Policy Id	Policy Name	Description	Company	Plan	Initial Deposit	Term Period	Term Amount	Interest	Eligible Employer Types	Buy Now
100000	Retirement Insurance	Helps you build a corpus for a comfortable retirement, through regular contributions and tax benefits.	Bajaj	Plans	500	Quarterly	300	4	A,B	<button>Buy</button>
100001	Bala Balika Yojana	A savings plan designed to secure your child's educational future, providing funds for higher education expenses.	LIC	Child Plans	2000	Monthly	200	3.5	A,C	<button>Buy</button>
100002	Vahana Bhadratha	Provides vehicle insurance	Bajaj	Vehicle Insurance	10000	Monthly	1200	1	A,B,C	<button>Buy</button>
100006	Term Life Protection Plan	This policy provides coverage to your loved ones in the event of your death during the term of policy.	LIC	Life Insurance	25000	Quarterly	966	1.5	A,B,C,D	<button>Buy</button>

At the bottom right of the table, there are navigation links: **Previous**, **1 / 2**, and **Next**.

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THANK-YOU