

Use Cases and Flowchart

For

Mobile App Engineering (SE3111)

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Section:

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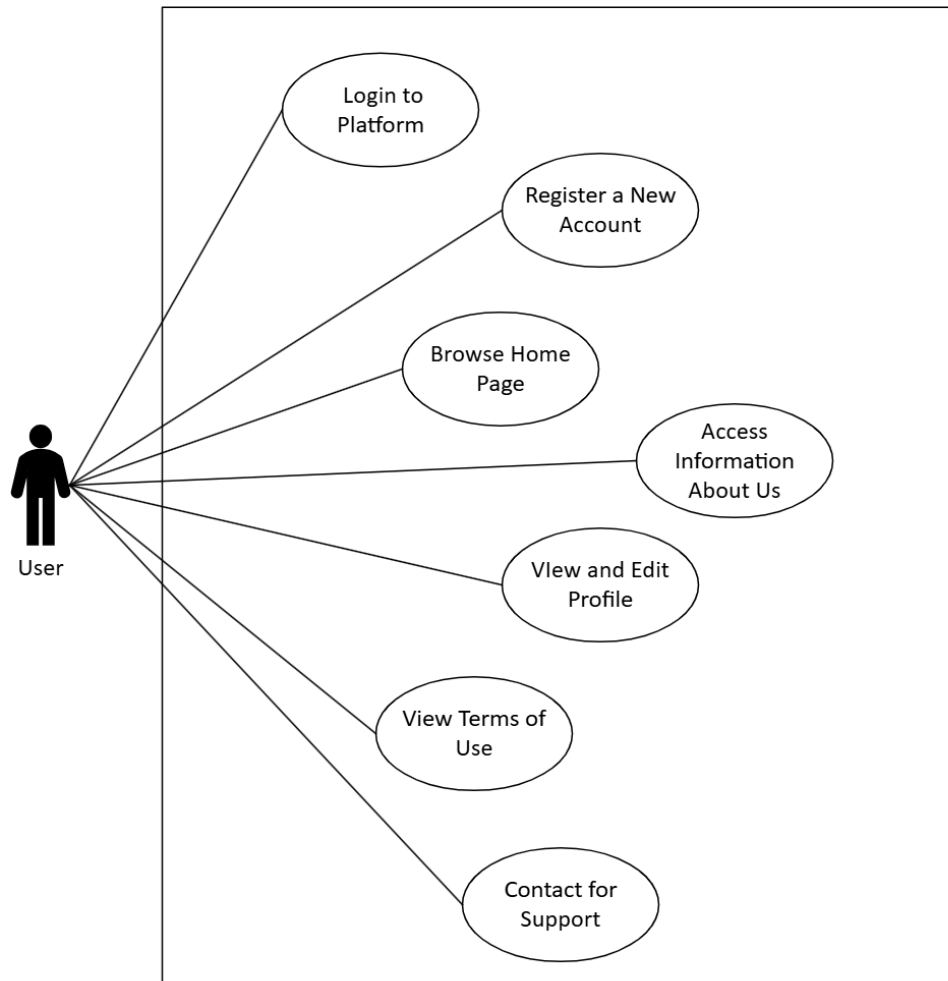
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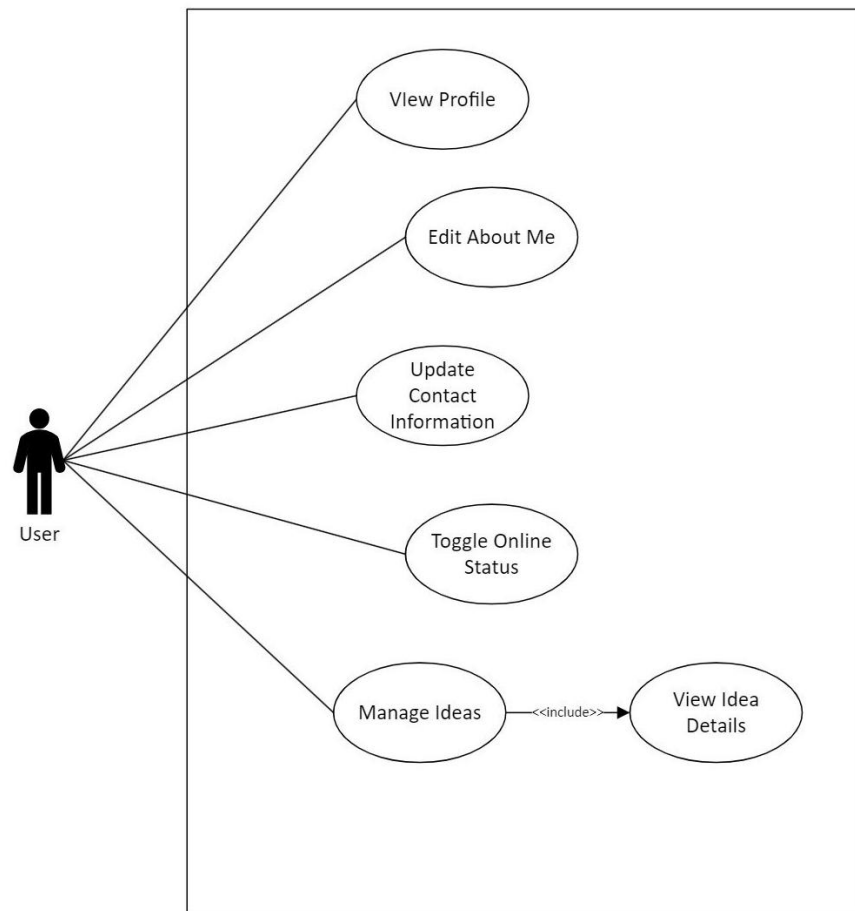
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Use Case

General Use Case:

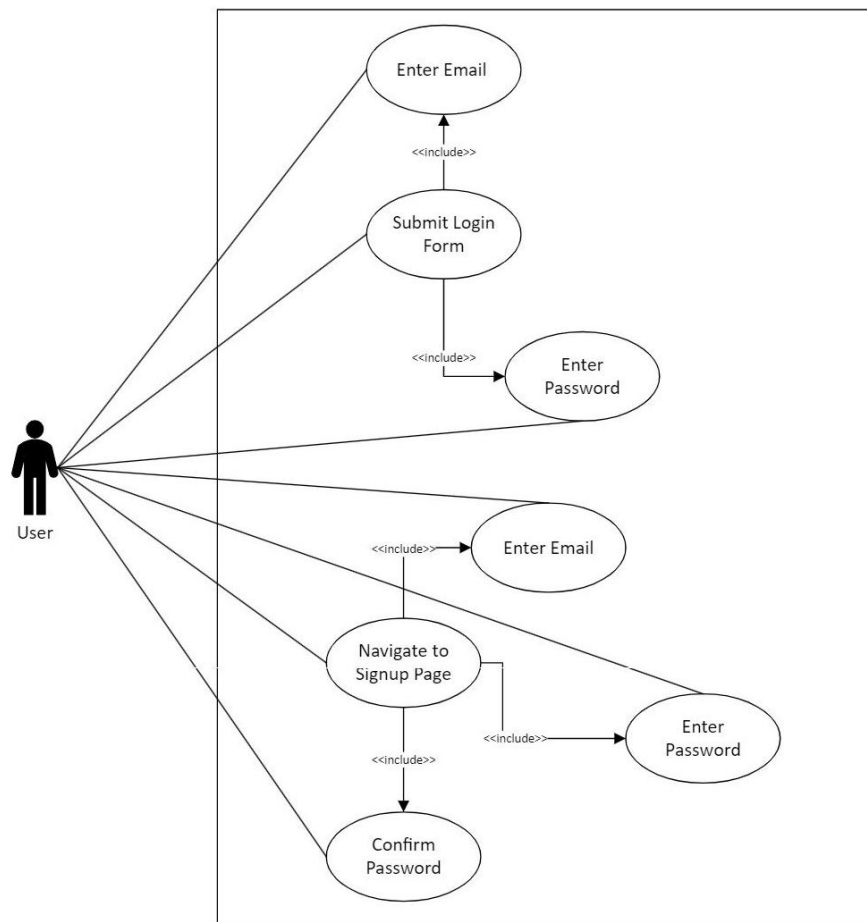


Use Case for Profile Page:



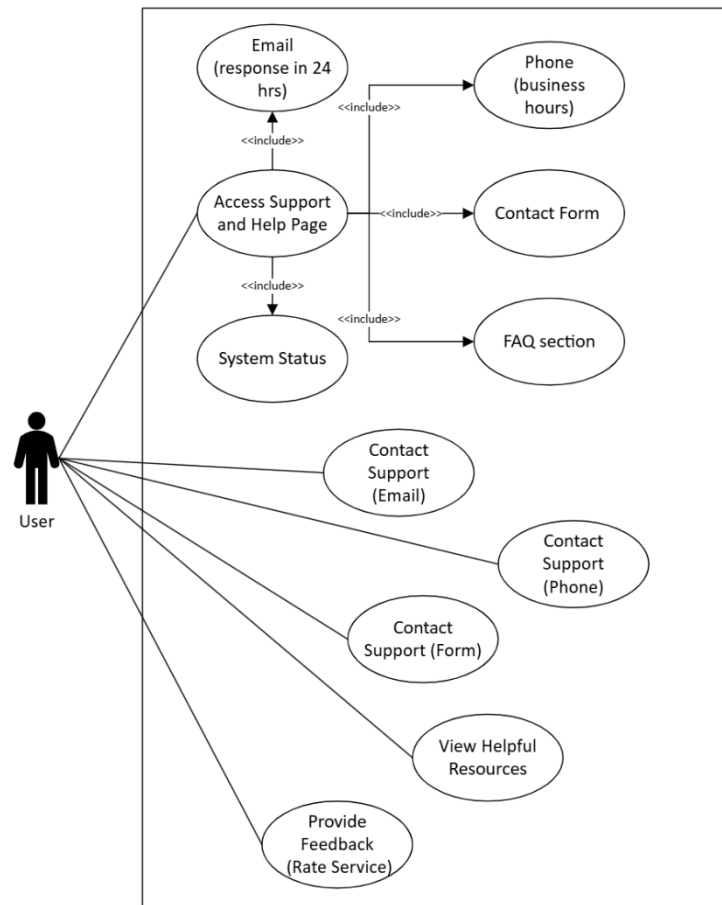
Name of the use case	Profile Page
Actor	User
Description	The user can view and manage their profile information, update their contact details, toggle their online status, and manage their ideas. The user can also edit personal details like the “About Me” section and view detailed information about their individual ideas.
Preconditions	The user is logged in and has access to their profile. The user has existing information or ideas to manage.
Postconditions	The user’s profile or contact information is updated as required. The user’s online status is updated, or project ideas are managed (e.g., edited or deleted).

Use Case for Login & Signup Page:



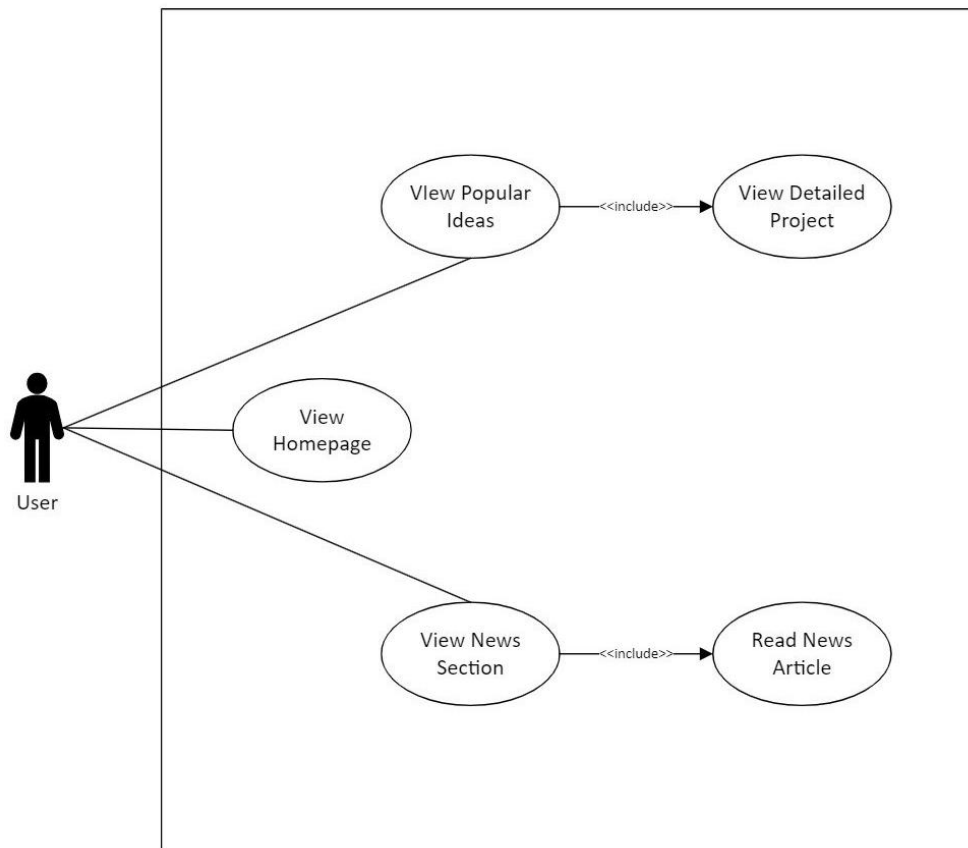
Name of the use case	Login & Signup Pages
Actor	User
Description	The user either logs in with their email and password, or signs up by providing an email, password, and confirming their password. The system verifies the credentials for login or registers a new user during signup. Successful authentication grants the user access to the platform.
Preconditions	The user has navigated to the login or signup page. The system is online and available to process login or signup requests.
Postconditions	For login: The user is granted access to the platform if credentials are valid. For signup: The system registers a new user and grants access to the platform.

Use Case for Support and Help Page:



Name of the use case	Support and Help Page
Actor	User
Description	The user accesses the support and help page to seek assistance or provide feedback. The user can choose to contact support via email (with a response within 24 hours), phone (during business hours), or by filling out a contact form. Additionally, the user can view the system status or the FAQ section for quick answers. After resolving their issue, the user can provide feedback by rating the service.
Preconditions	The user has accessed the support page. The system is able to provide various support options (email, phone, form) and has resources available (FAQ and system status).
Postconditions	The user has successfully contacted support or viewed helpful resources. If feedback was provided, the system has recorded the user's rating.

Use Case for Home Page:



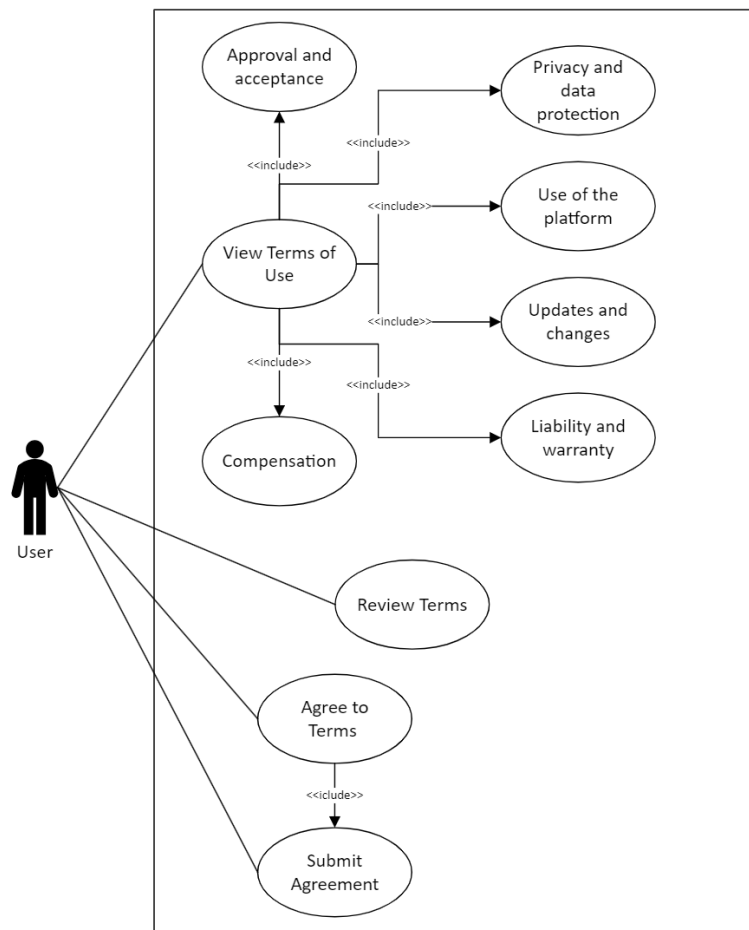
Name of the use case	Home Page
Actor	User
Description	The user navigates to the homepage and interacts with different sections such as viewing popular ideas and news articles. The user can either view a detailed project from the popular ideas section or read news articles from the news section.
Preconditions	The user has accessed the homepage. The system displays the popular ideas and news sections.
Postconditions	The user is able to view detailed projects or read news articles. The system records the user's activity for further interaction (e.g., which articles or projects were viewed).

Use Case for About Us Page:



Name of the use case	About Us Page
Actor	User
Description	The user can view the “About Us” section to learn more about the platform, its features, and the services it offers. The user can explore the key features of the platform, including platform functionality and benefits. If the user already has an account, they can proceed to log in and access their account.
Preconditions	The user has accessed the platform’s “About Us” section. The system is displaying relevant information about the platform and its features.
Postconditions	The user has learned about the platform and its features. If the user logs in, they gain access to their account on the platform.

Use Case for Support and Help Page:



Name of the use case	Terms of Use Page
Actor	User
Description	The user reviews the terms of use, which include sections such as approval and acceptance, privacy and data protection, use of the platform, updates and changes, liability and warranty, and compensation. After reviewing the terms, the user agrees to the terms and submits their acceptance to the system.
Preconditions	The user must be on the terms of use page. The system must provide the full terms and conditions.
Postconditions	The user has agreed to the terms, allowing further interaction with the platform. The system records the user's acceptance of the terms and permits access to restricted functionalities.

Flowchart

Problem Identified:

There is no centralized platform that effectively connects startups, innovators, and investors in Saudi Arabia's tech ecosystem.

Project Details:

Focus on the Gaps:

The app will focus on addressing gaps in comprehensive support, inclusivity, and long-term growth for startups. The three main objects are Startups, Investors, and Innovators.

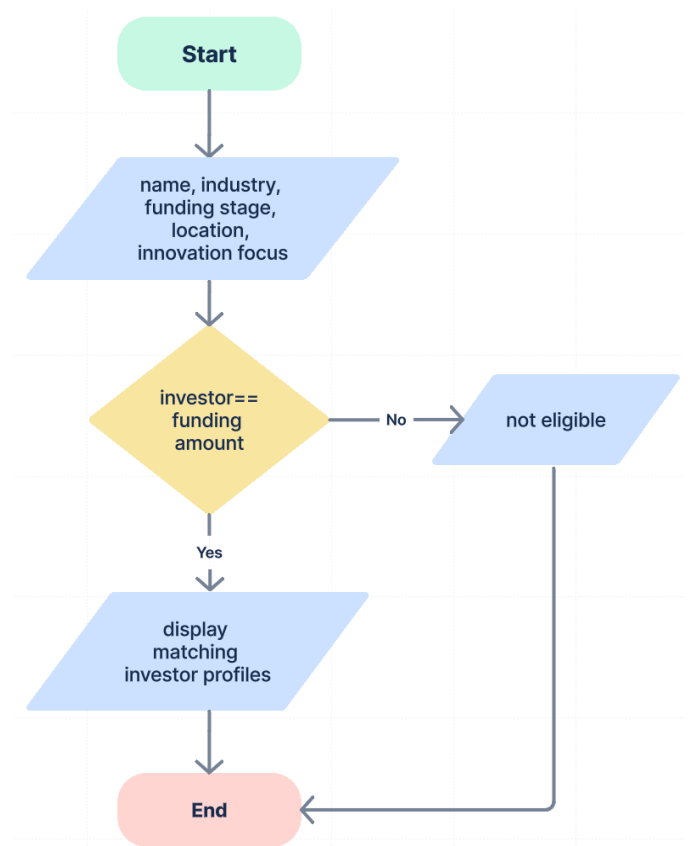
Main Objects in the Solution: Based on the gaps, identify the following main objects:

- Startups: Represent a new company focused on innovative products or services.
- Investors: Represent a person how provides capital to startups for equity or returns.
- Innovators: Represent a person how introduces new ideas, products, or processes.

Startups Object Properties:

1. Name
2. Industry
3. Funding Stage
4. Location
5. Innovation Focus

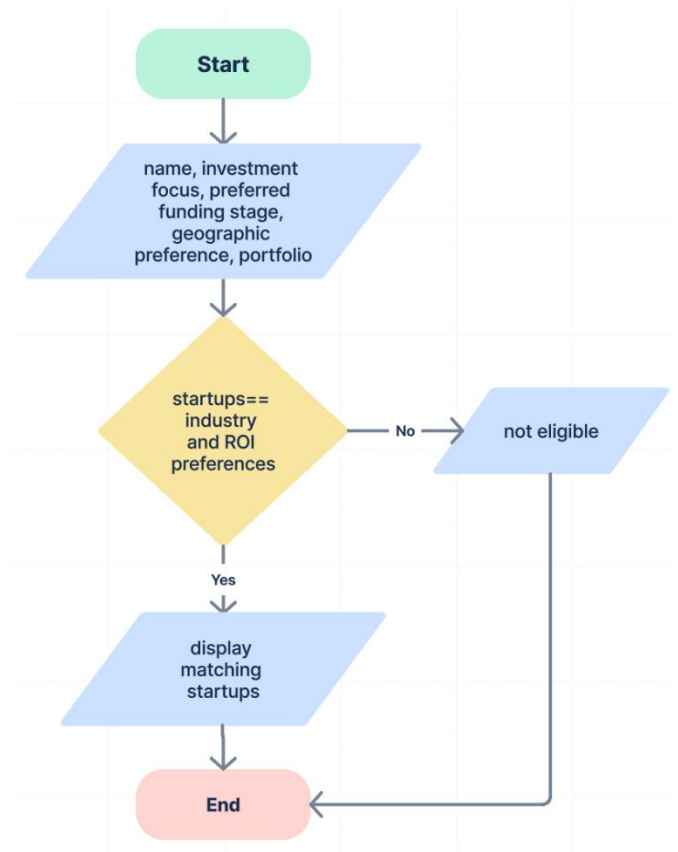
Flowchart Condition: Check if an investor matches the funding amount and company stage.



Investors Object Properties:

1. Name
2. Investment Focus
3. Preferred Funding Stage
4. Geographic Preference
5. Portfolio

Flowchart Condition: Check if matching startups align with industry and ROI preferences.



Innovators Object Properties:

1. Name
2. Expertise Area
3. Available Innovations
4. Location
5. Collaboration History

Flowchart Condition: Check if an innovator matches the startup's needs (expertise in the required field).

