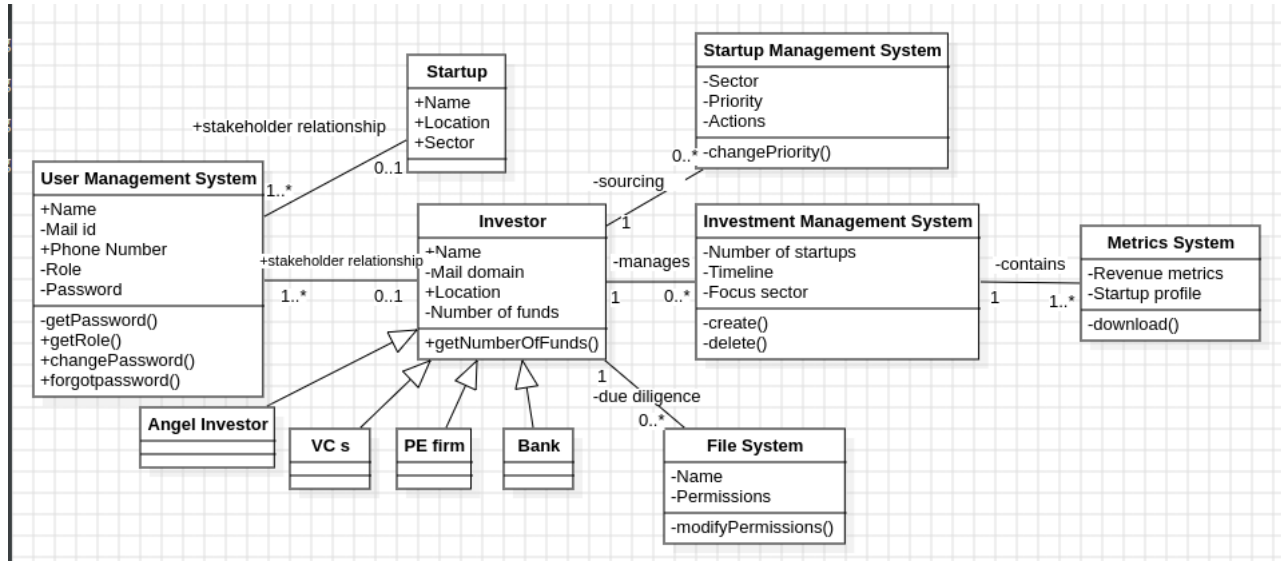# Product Design

Team **Number:** 23
Members: Prakhar Singhal, Chirag Dhamija, Sohan, Asish Bharadwaj

UML diagram
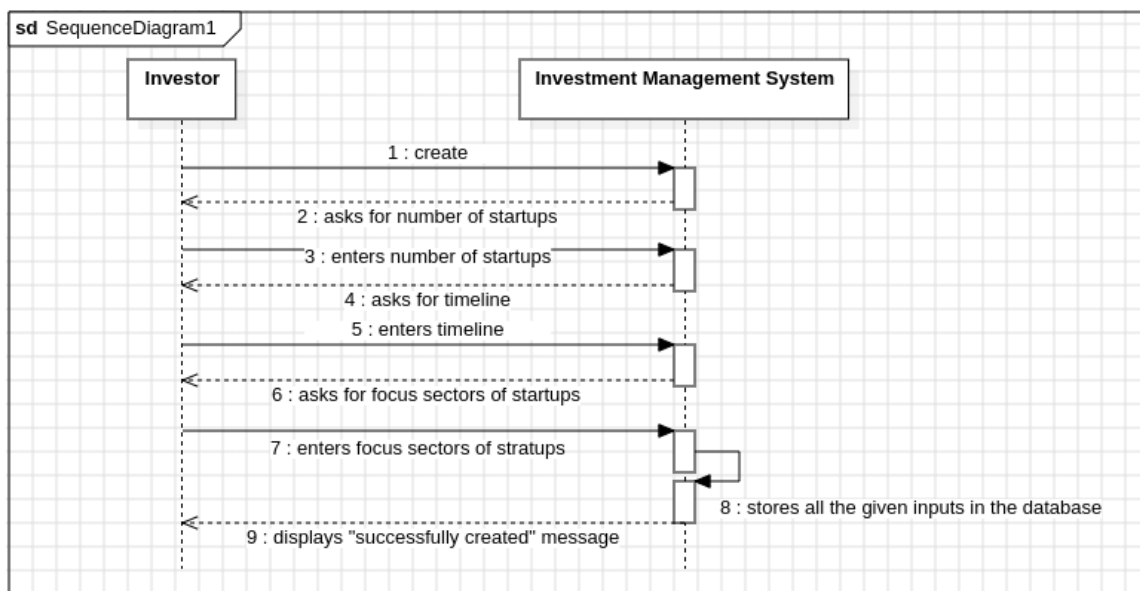

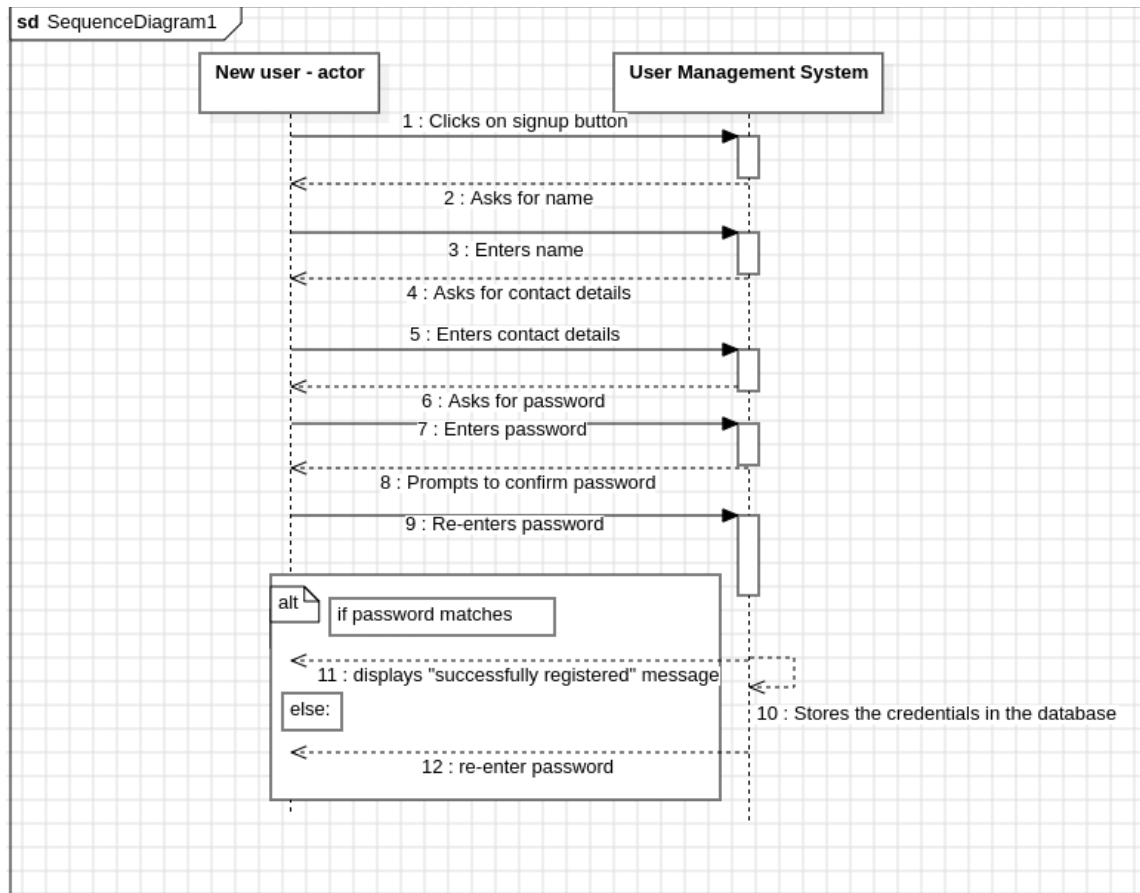## Design Model

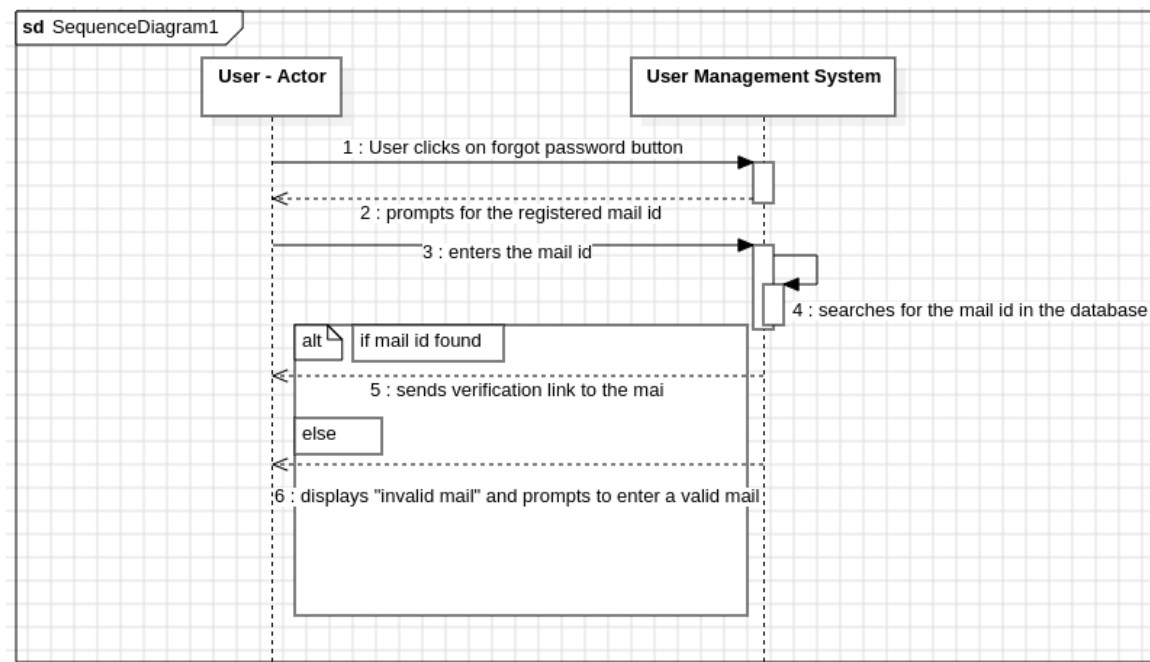| User	Class state
	• Holds the current status of all the users such as their name, contact, role in their organization, etc.
	Class behavior
	• Methods to retrieve password and role of the user, and to change password of the user.
Startup	Class state
	• Holds the current status of name, location and sector of the startup
Investor	Class state
	• Holds the current status of name, location, mail domain and number of funds of the investor firm.
	Class behavior
	• Retrieve number of funds of the investment firm.

Angel Investor, Venture Capitalist, Private Equity Firm, Bank	Class state
	• Holds the current status of name, location, mail domain and number of funds of the investor firm. These are the generalizations of the investor class.
	Class behavior
	• Retrieve number of funds of the investment firm – same as investor class.
Startup Management System	Class state
	• Holds the current status of deal sector, priority, actions related to sourcing for the investor.
	Class behavior
	• Change priority of the deal.
Investment	Class state

Management System	• Holds the current status of number of startups, timeline, focus sectors of startups under the investor's investments. Class behavior • Create and delete instances of investments.

File System	Class state
	  • Holds the name, permissions of files.
	Class behavior
	  • Methods to modify permissions of accessibility of files among different users within the investment firm.

Metrics System	Class state • Holds the current status of revenue metrics and profiles of startups in the investor's investments.

Sequence Diagram

sd SequenceDiagram1

New user - actor		User Management System

1 : Clicks on signup button

2 : Asks for name

3 : Enters name

4 : Asks for contact details

5 : Enters contact details

6 : Asks for password

7 : Enters password

8 : Prompts to confirm password

9 : Re-enters password

alt if password matches

11 : displays "successfully registered" message

10 : Stores the credentials in the database

else:

12 : re-enter password

sd SequenceDiagram1

Investor — Startup Management System

1 : Clicks on change priority button
2 : Displays a menu of priorities
3 : Selects a priority
4 : Changes priority in the database

sd SequenceDiagram1

User - Actor — User Management System

1 : User clicks on forgot password button
2 : prompts for the registered mail id
3 : enters the mail id
4 : searches for the mail id in the database

alt | if mail id found
5 : sends verification link to the mai
else
6 : displays "invalid mail" and prompts to enter a valid mail

Design Rationale

Numerous startups are funded annually by investors such as venture capitalists, angel investors, etc. Without an appropriate, organized software platform to help, managing, monitoring, communicating, and strategizing for all those portfolio startups becomes more and more challenging.
Because of this, the main objective of our project is to develop a strong startup investment portfolio management software for investors, which includes features such as - data management,
analytics, market trends, predictive insights, etc

The end-users that are going to be using the system are – Angel Investors, Venture Capitalists, Syndicates and Private Equity Firms.

•Angel Investors : Angels are the first investors to any startup.
•Venture Capitalists/ Syndicates : The investor who typically invests in an early stage of business, when the business is (typically) in a better situation – generating revenues, and

the healthy inflow of revenue validates the business and its offerings.
•Private Equity : Investors who come into picture at a later stage when the company's success continues to grow. Private Equity investors invest at a mature stage and take a lesser risk compared to Venture Capitalists, and typically invest larger amounts.