EXPERIMENT 3

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BATCH - C (TE-IT)

AIM:
To create a website using web CMS (Node Js/ Angular /React Js/Flask/ Django/ Wordpress/Joomla etc)

REQUIREMENTS:
Django, Bootstrap

PROBLEM STATEMENT:
'Startup India' is a startup portal to connect early-stage startups to potential investors. A startup can register, login and submit ideas. If it gets approved in the first stage, it should be able to apply for funds and other resources, track its status, track funds and receive emails about any updates. Finally the startups have to pay nominal CDC fees to the organization for providing them with the requested grants.

THEORY:

1)Content Management System:
A content management system (CMS) is an application that is used to manage web content, allowing multiple contributors to create, edit and publish. Content in a CMS is typically stored in a database and displayed in a presentation layer based on a set of templates. The following are the basic features of a CMS:

- Content creation (allows users to easily create and format content)
- Content storage (stores content in one place, in a consistent fashion)
- Workflow management (assigns privileges and responsibilities based on roles such as authors, editors and admins)
- Publishing (organizes and pushes content live)

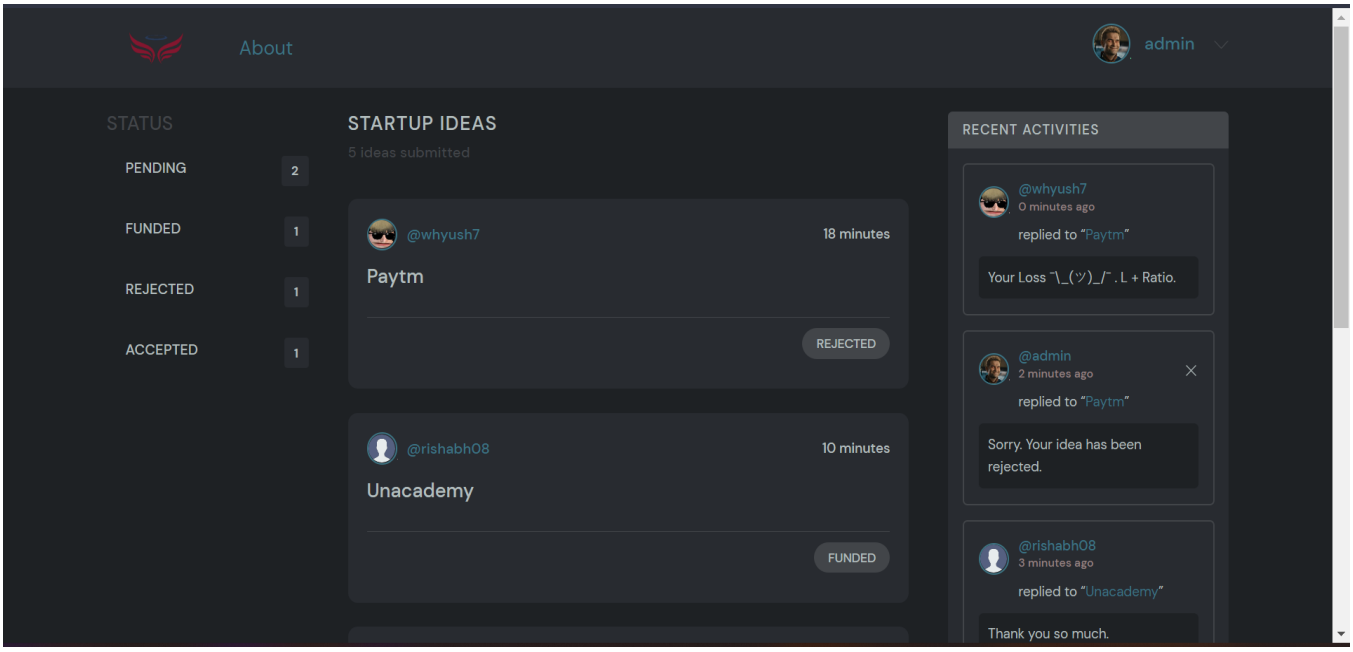
One major advantage of a CMS is its collaborative nature. Multiple users can log on and contribute, schedule or edit content to be published. Because the interface is usually browser based, a CMS can be accessed from anywhere by any number of users. The second major advantage of a CMS is that it allows non-technical people who don't know programming languages to easily create and manage their own web content. The WYSIWYG editors of a typical content management platform allows users to enter text and upload images without needing to know any HTML or CSS. When a company uses a CMS to publish its pages, it reduces its reliance on front-end engineers to make changes to the website, making it quicker and easier to publish new content.

2) Django:
Django is a free and open-source, Python-based web framework that follows the model–template–views (MTV) architectural pattern. It is maintained by the Django Software Foundation (DSF), an independent organization established in the US as a 501(c)(3) non-profit. Django's primary goal is to ease the creation of complex, database-driven websites. The framework emphasizes reusability and "pluggability" of components, less code, low coupling, rapid development, and the principle of don't repeat yourself. Python is used throughout, even for settings, files, and data models. Django also provides an optional administrative create, read, update and delete interface that is generated dynamically through introspection and configured via admin models.

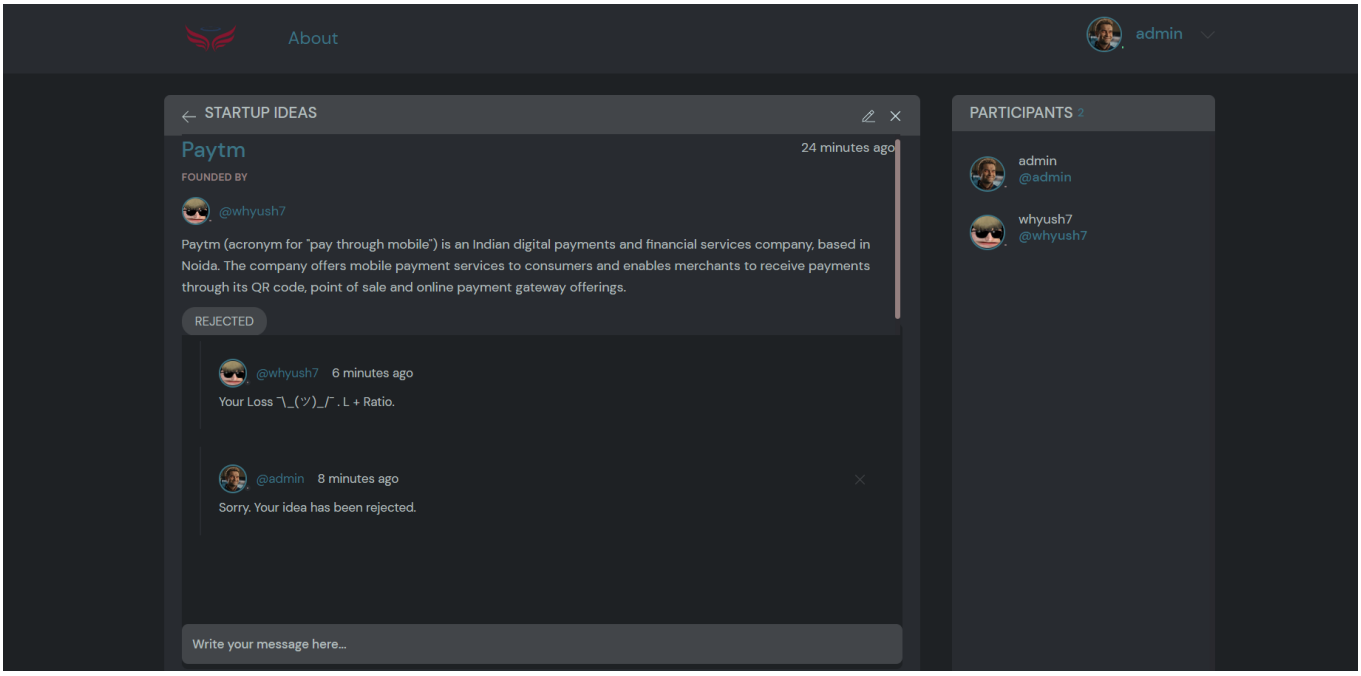
IMPLEMENTATION:

1.Home Page: The home page is the page that is opened when the user first opens the website.

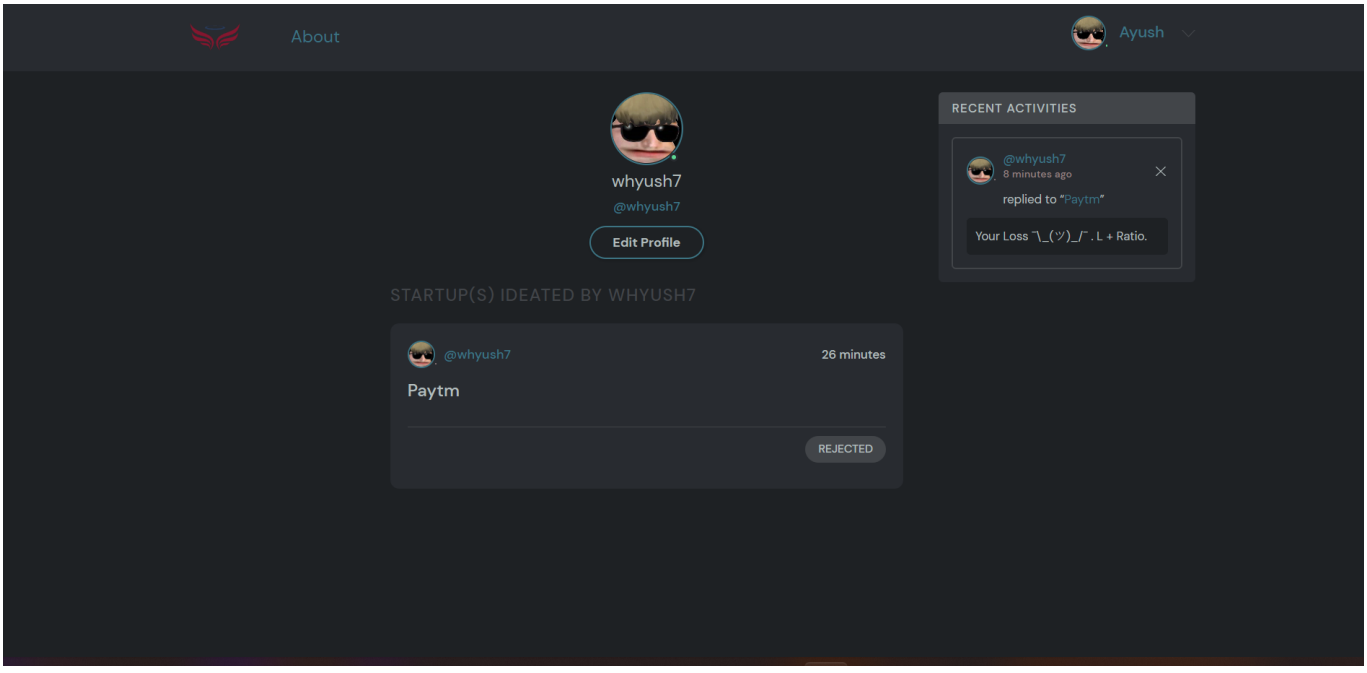
1.1 Home Page - 1 (Admin)



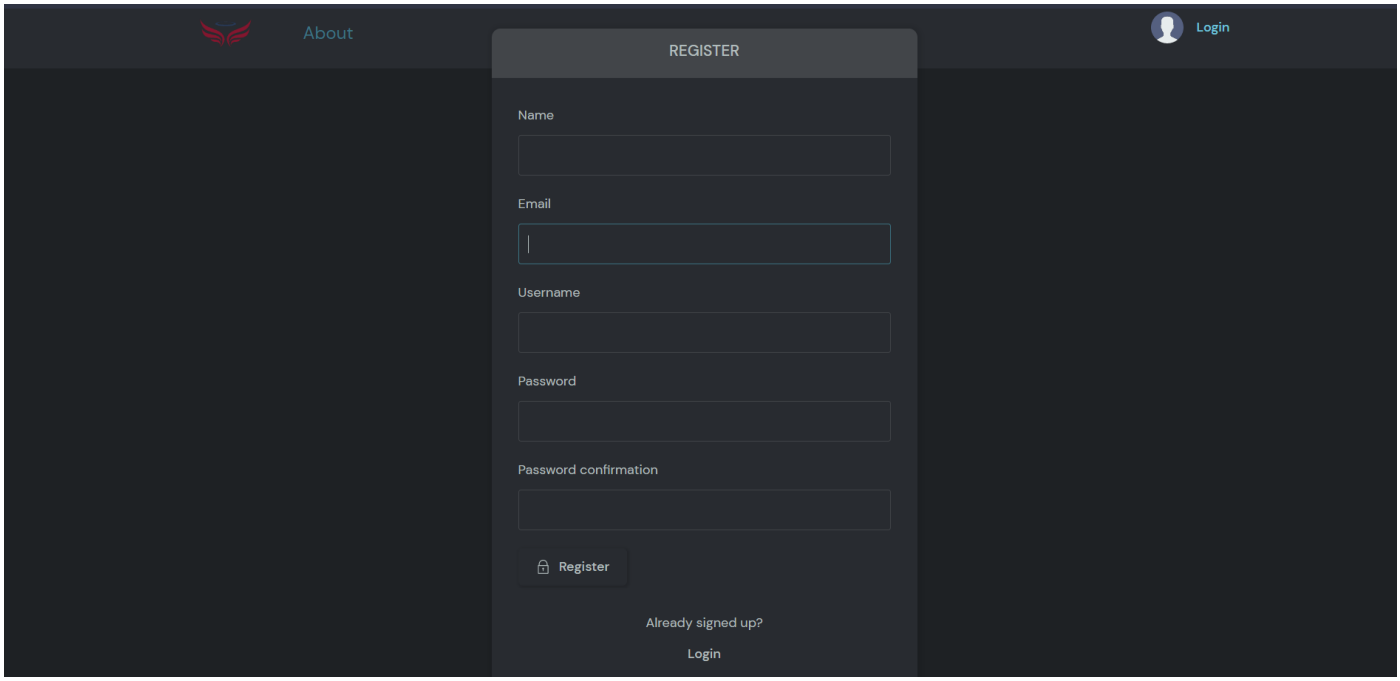
1.2 Startup Page



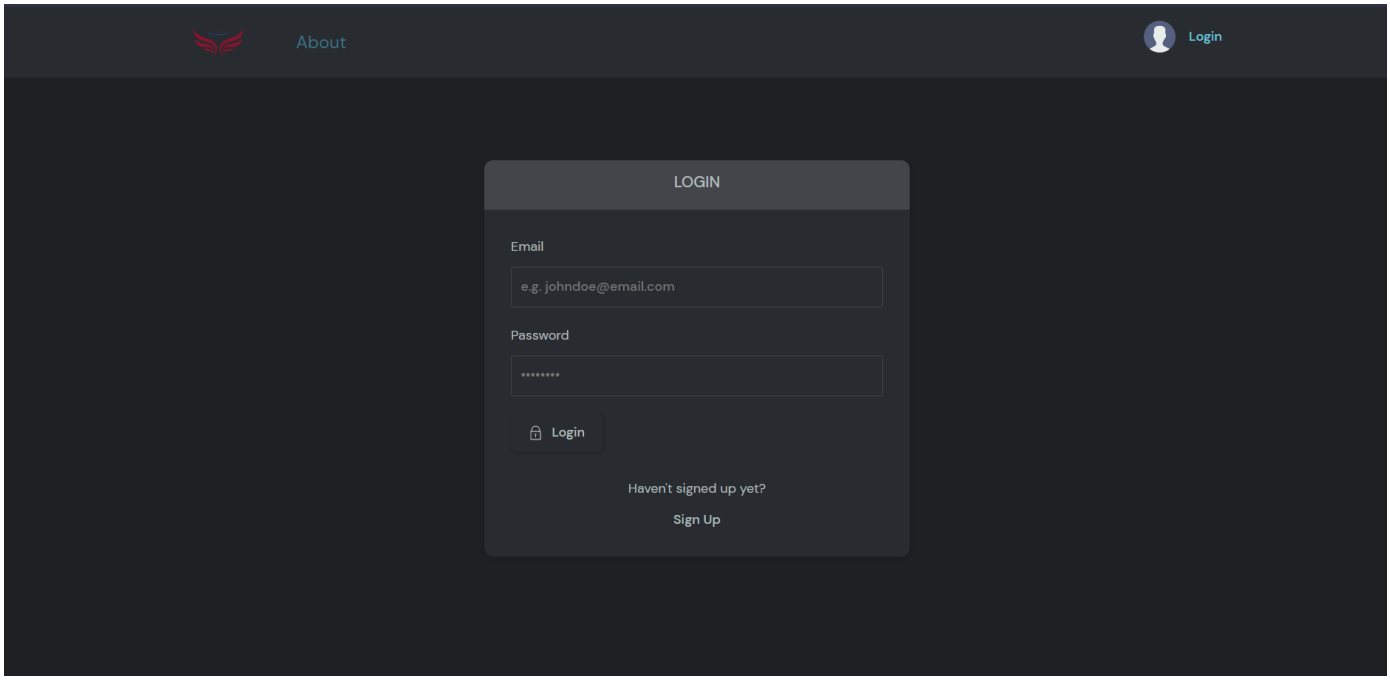
1.3 User Profile



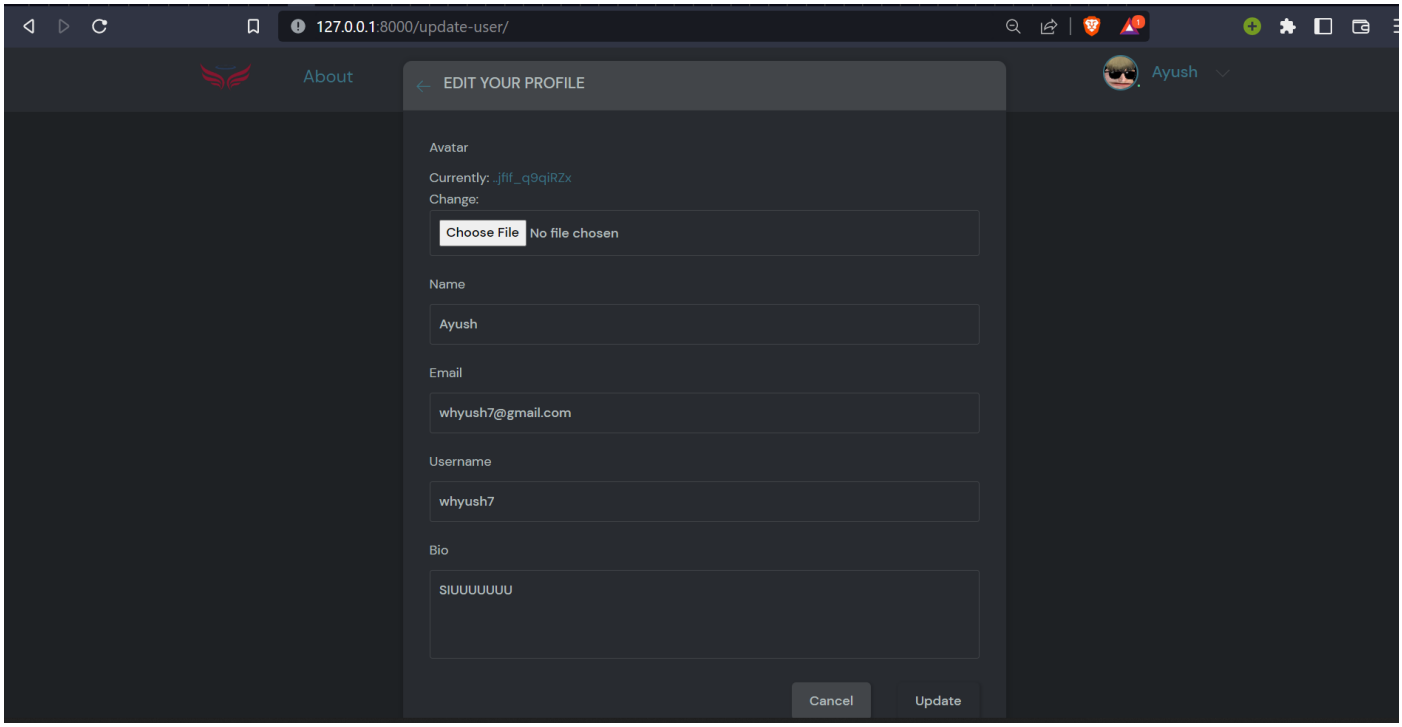
1.4 Register User



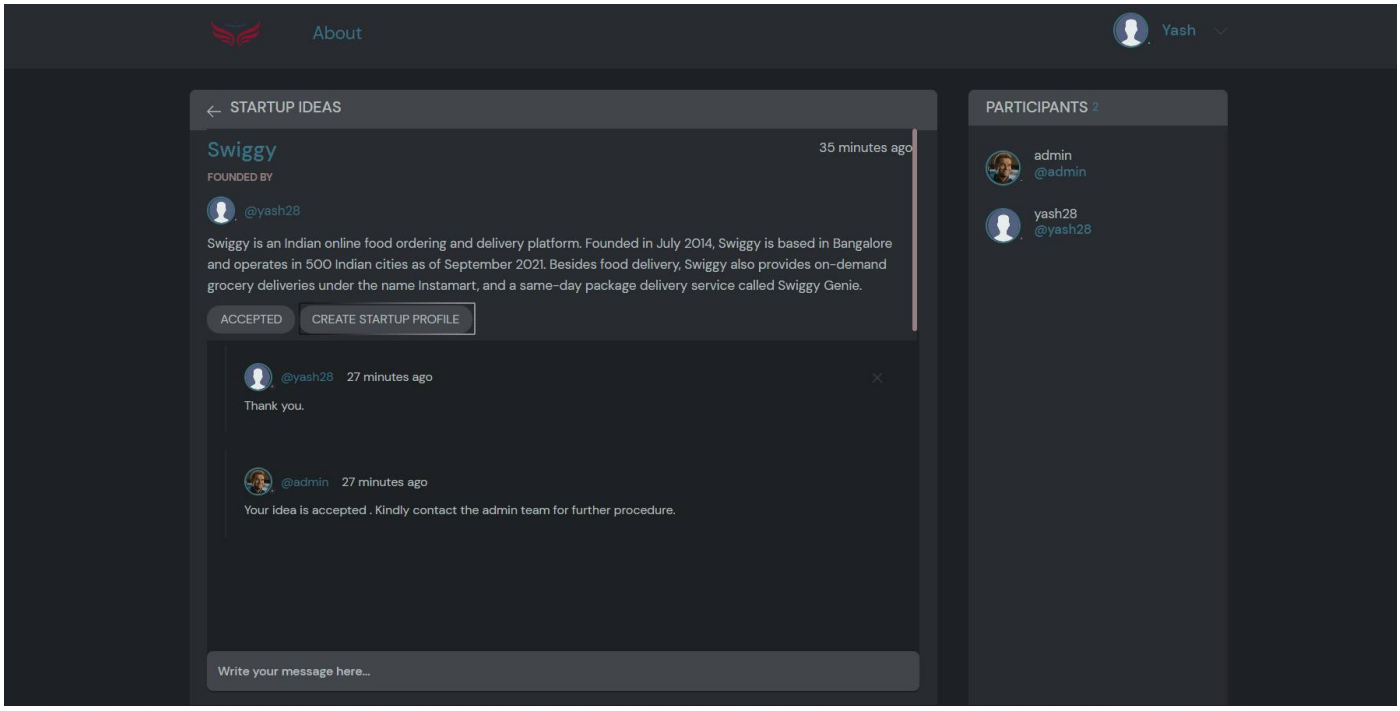
1.5 Login

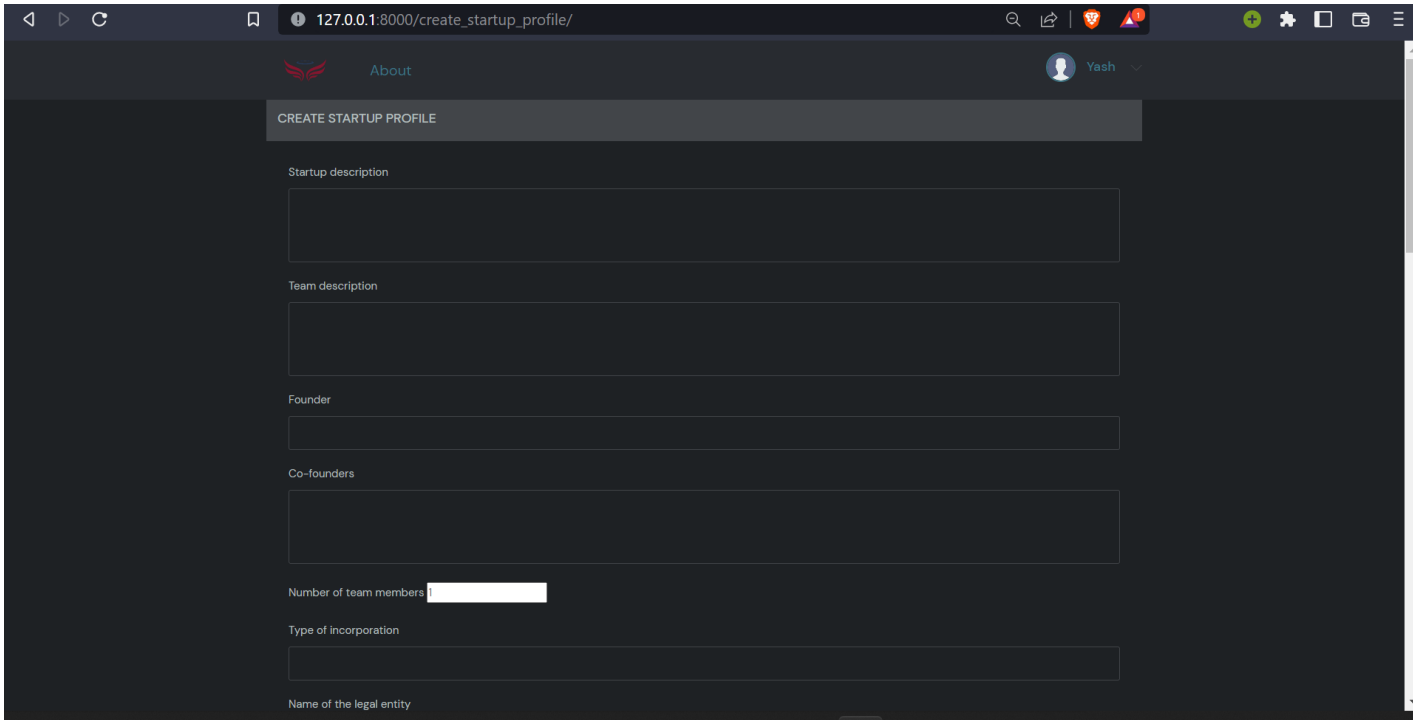


1.6 Edit Profile

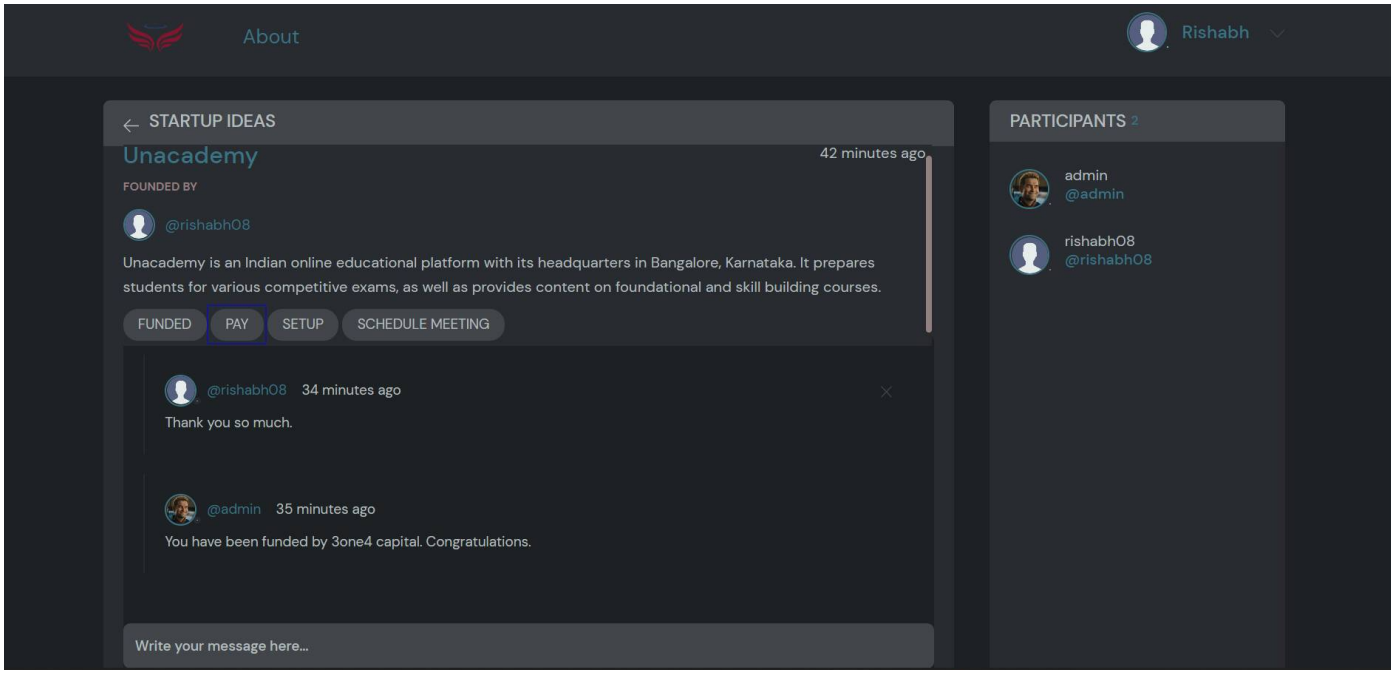


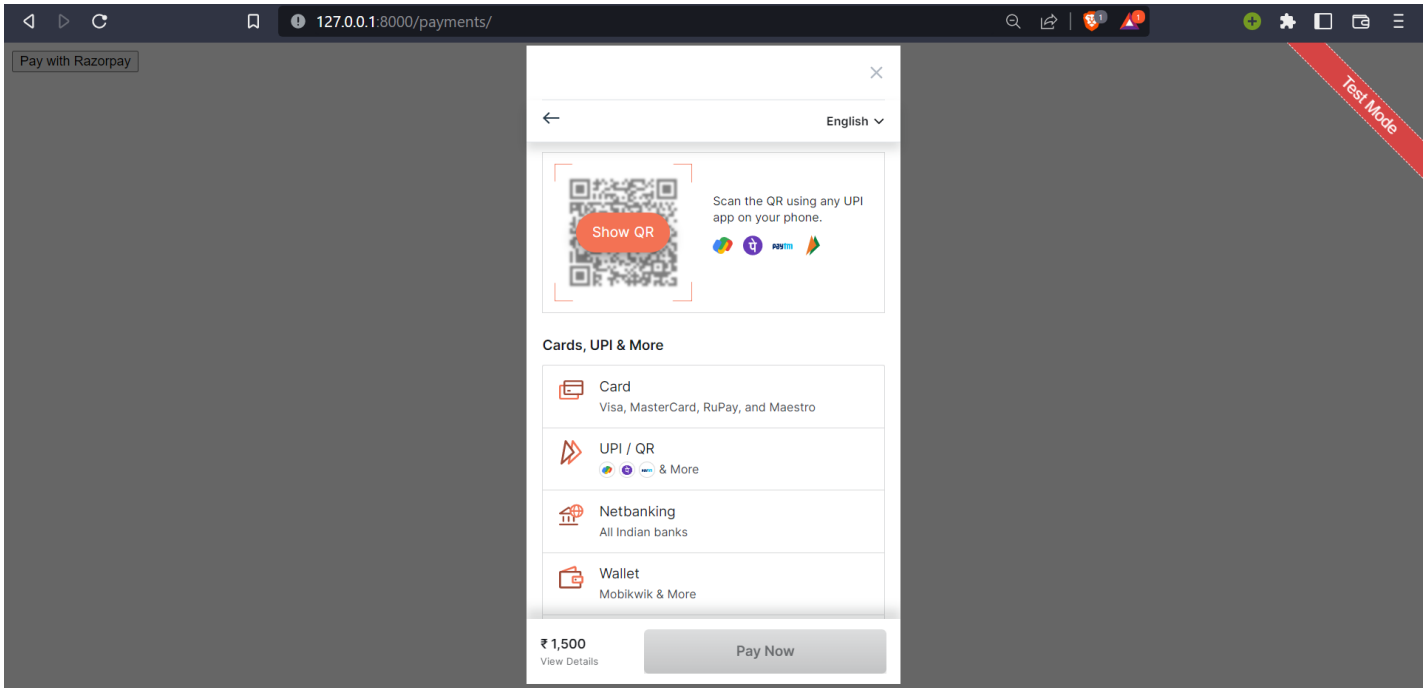
1.7 Create Startup Profile (for Accepted Startups)



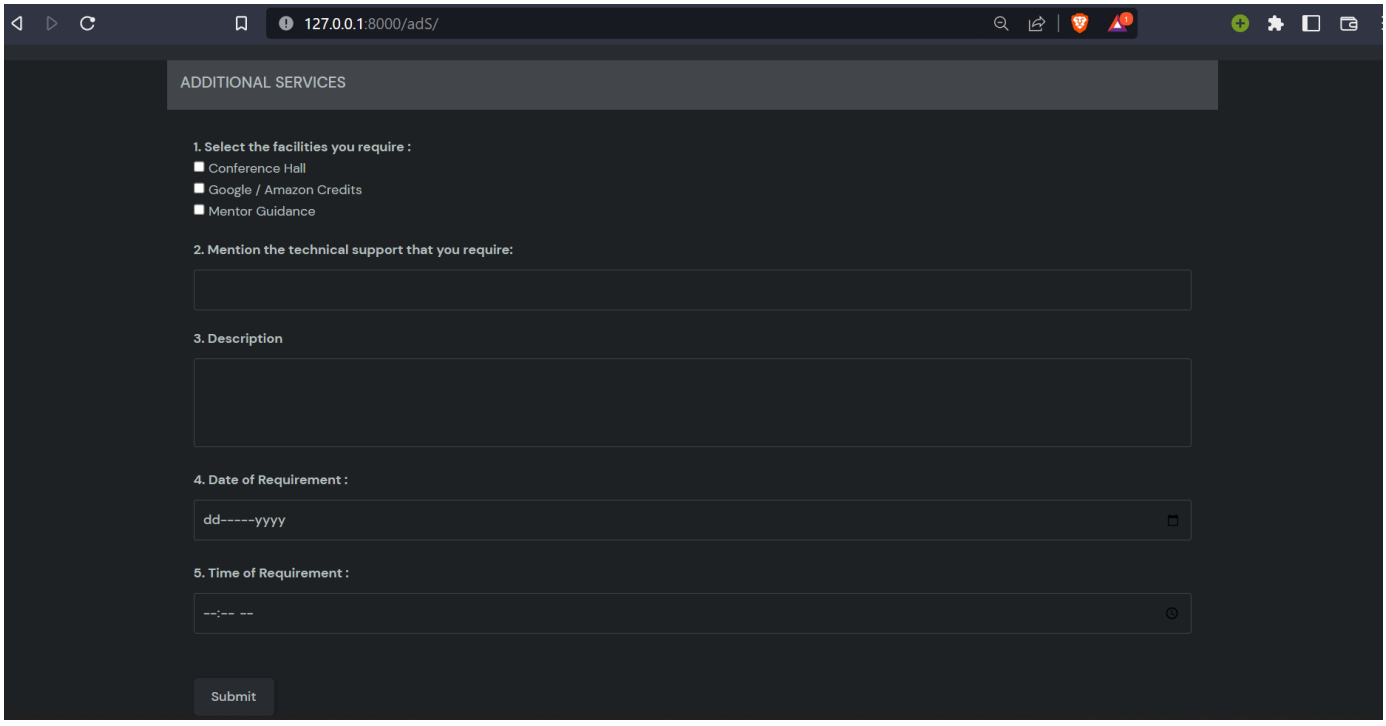


1.8 Nominal Fee Payment page (for funded startups)

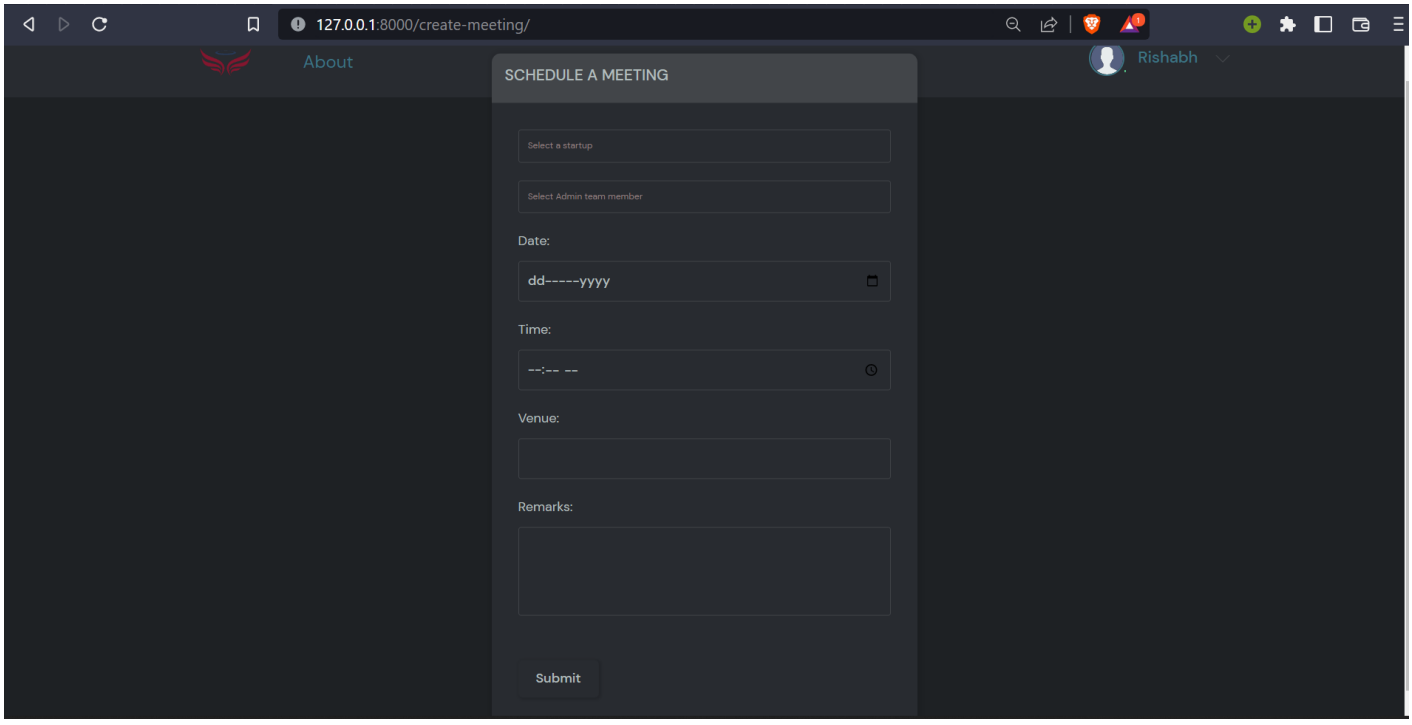




1.9 Additional Services Page (for funded startups)

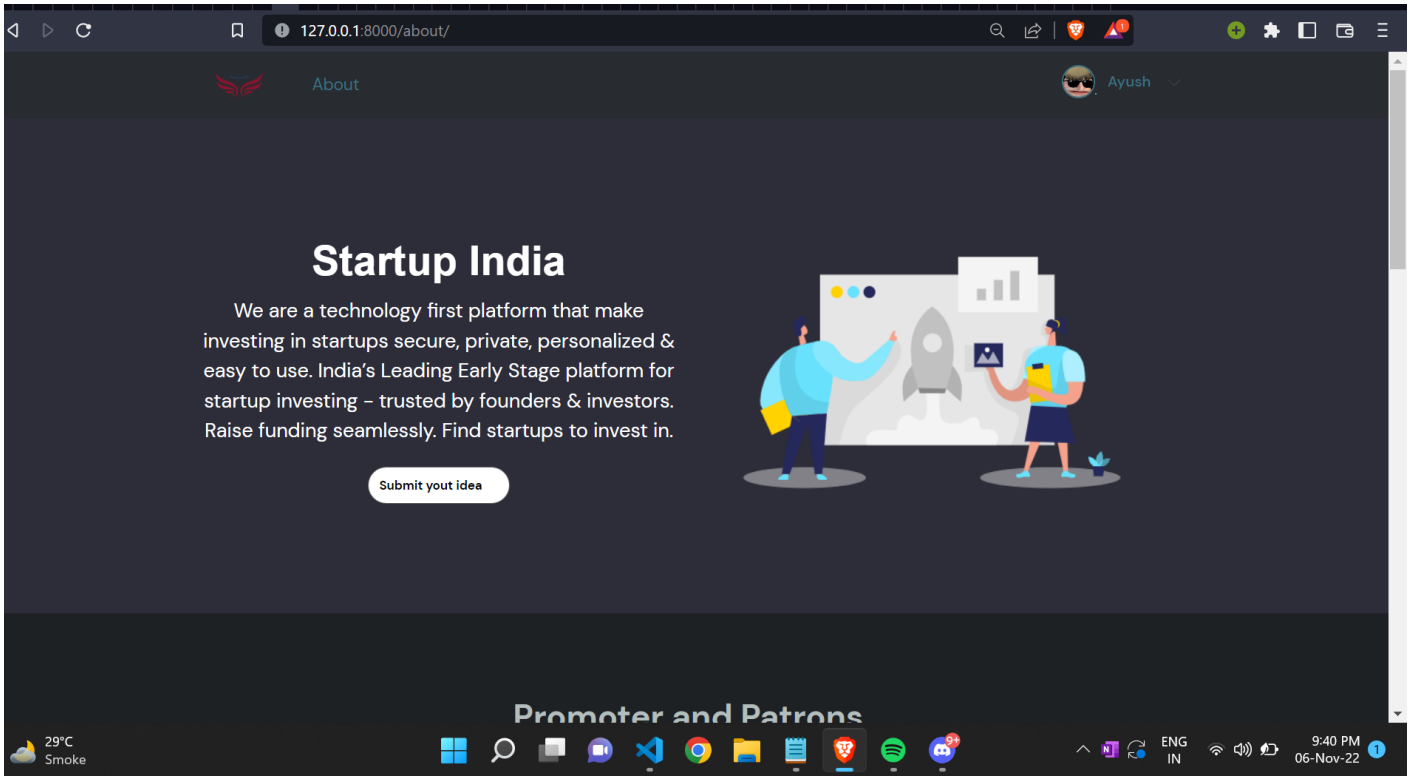


1.10 Schedule Meeting (for funded startups)

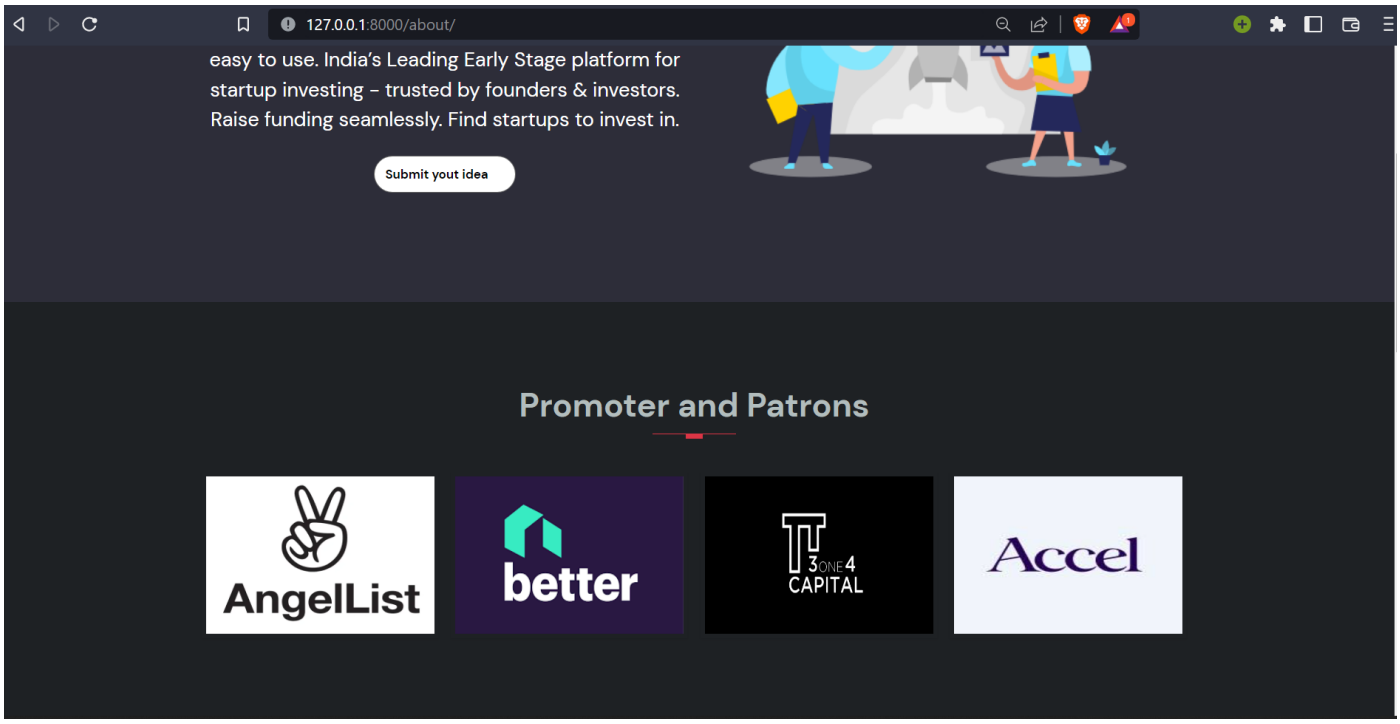


2. About Us: This page contains generic information about Startup India.

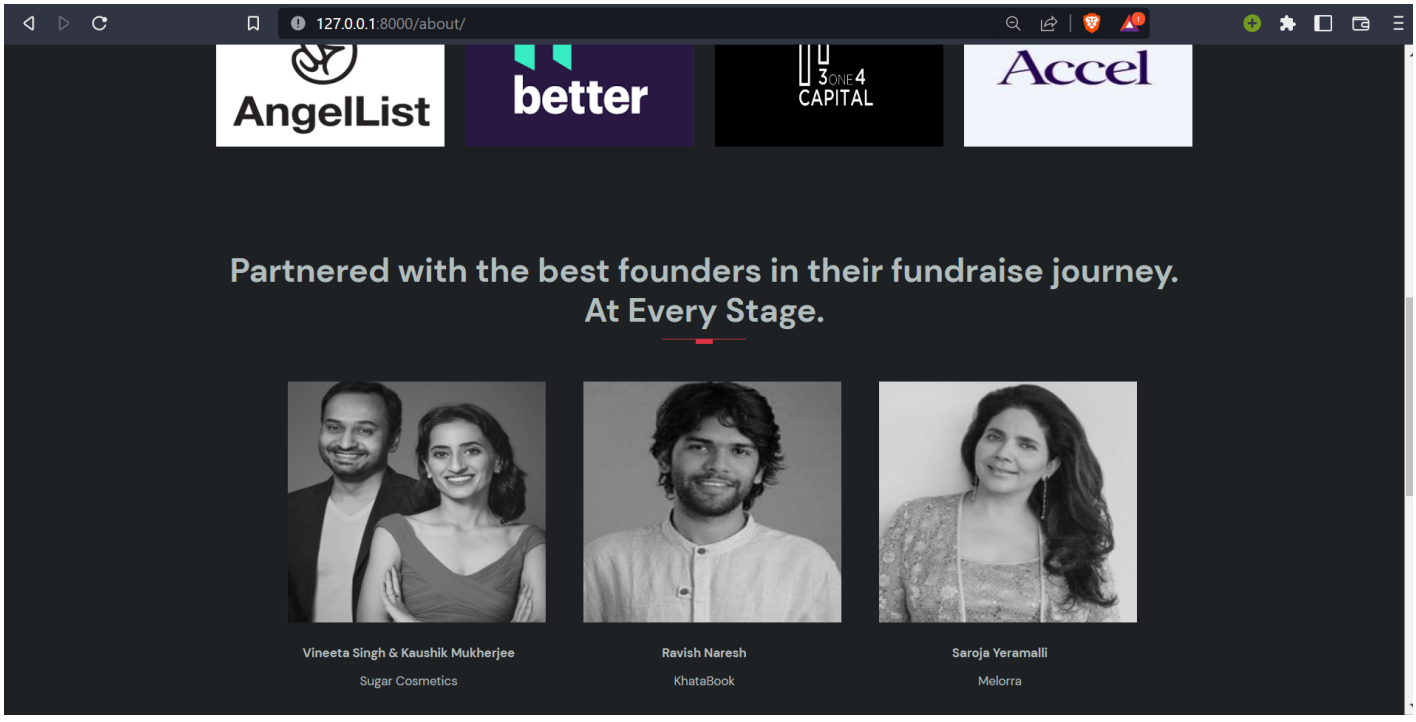
2.1 About Us Page - 1



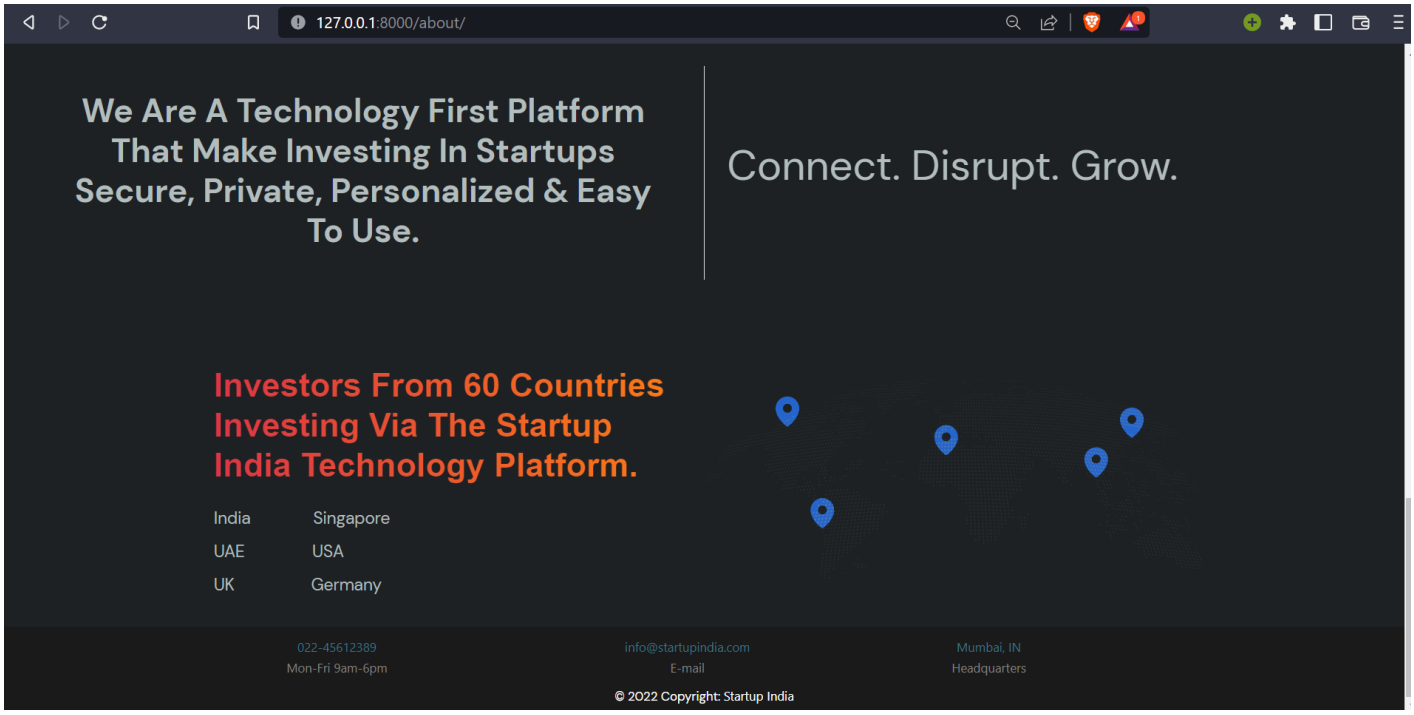
2.2 About Us Page - 2



2.3 About Us Page - 3



2.4 About Us Page - 4



CONCLUSION:

From the above experiment, I have gained information about CMS. I learned how django works and had hands -on experience by creating the website for the given problem statement.

REFERENCES:

1. https://www.sitecore.com/knowledge-center/digital-marketing-resources/what-is-a-cms
2. https://docs.djangoproject.com/en/4.1/
3. https://getbootstrap.com/docs/5.2/getting-started/introduction/
4. https://www.letsventure.com/