

Project Charter

Online Resource Management Software

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Problem Statement : As teams within an organization begin to grow, the amount of online resources shared by the team members rise with each passing day. The resources can range from a link to a file; and managing and categorising these resources can sometimes be a mess. It can get increasingly difficult to refer back to a resource unless the user knows exactly what they are searching for.

Project Objectives:

1. Create a service to provide a centralized systematic repository of tagged information/links to allow collaborators to effectively find shared information relevant to a particular team/project/topic.
2. Create a web app to provide management and organizational abilities on the frontend to individuals.
3. Implement an efficient search algorithm to make it easier for the stakeholders to search for information effectively.
4. Implement filter and tag based searching for faster access to resources.
5. Create an Identity and Access Management platform on top of the service to enable individuals under an organization to access the right resources at the right times.
6. *If Time Permits:* Create a desktop application with additional functionalities and speed, which is difficult to achieve in a web app.

Stakeholders :

1. Organizations using the service
2. Members of the organization distributed across different teams
3. Open source collaborators
4. Individuals working on personal projects
5. Developers working on this application
6. Developers looking to integrate the service into their own applications

Deliverables :

An engaging and intuitive resource categorization and collaboration system. The deliverables will consist of:

- A backend API for handling server side communication through all clients using Node.js
- A web app for users to manage and access their resources
- A browser extension to easily save links
- A database (MySQL or PostgreSQL) for storing users, teams, projects, categories, links, and tags
- Integrations in different tools and platforms for easy access to our service (slack, trello) using the backend API
- FUTURE DELIVERABLES - Different native clients for different devices (Android, iOS, Desktop)