

SPITRACK

Simplifying Research Techniques



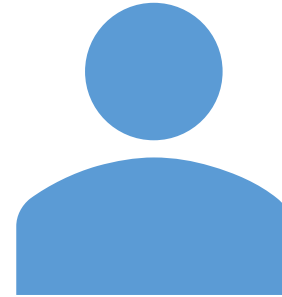
Team Members



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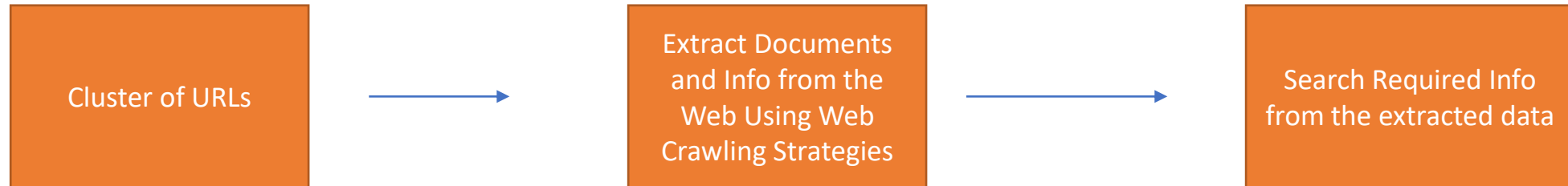
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Description

Spitrack is an online system that enables researchers to collect necessary documents and information from a given cluster of URLs, and then perform some research on the collected information using a specific search engine.





Features

User Panel

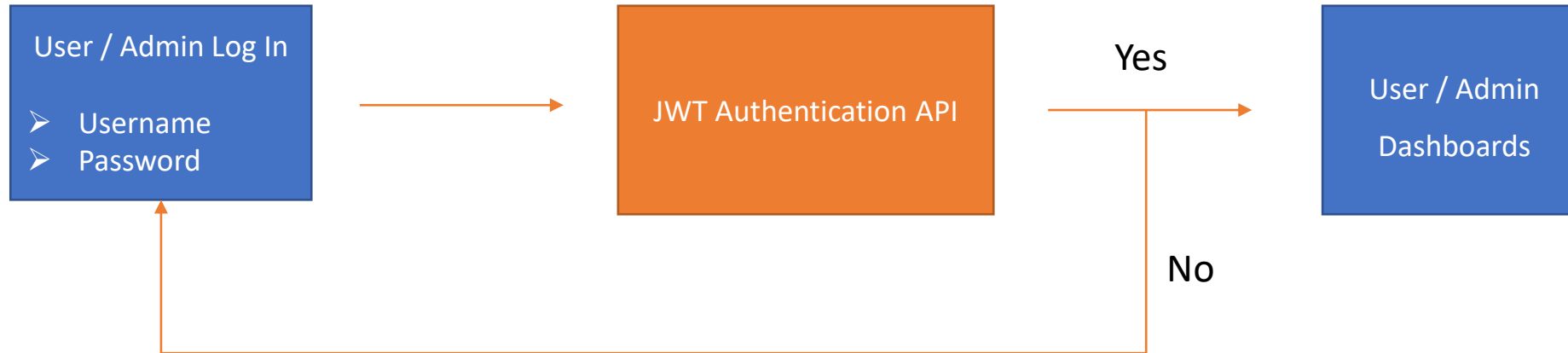
- ✓ User Log In
- ✓ User Sign Up
- ✓ Sign In With Google
- ✓ User Dashboard
- ✓ Cluster Creation
- ✓ Clusters View
- ✓ Search
- ✓ Voice Search

Admin Panel

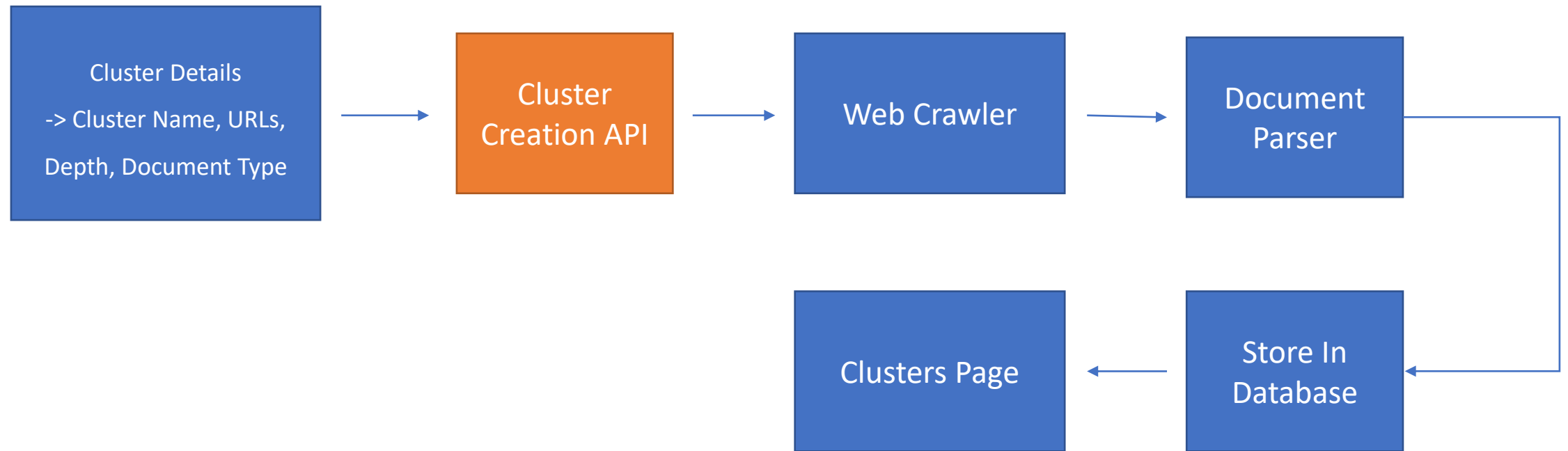
- ✓ Admin Log In
- ✓ Admin Dashboard
- ✓ Add New Admin
- ✓ Control Scrapping Strategies



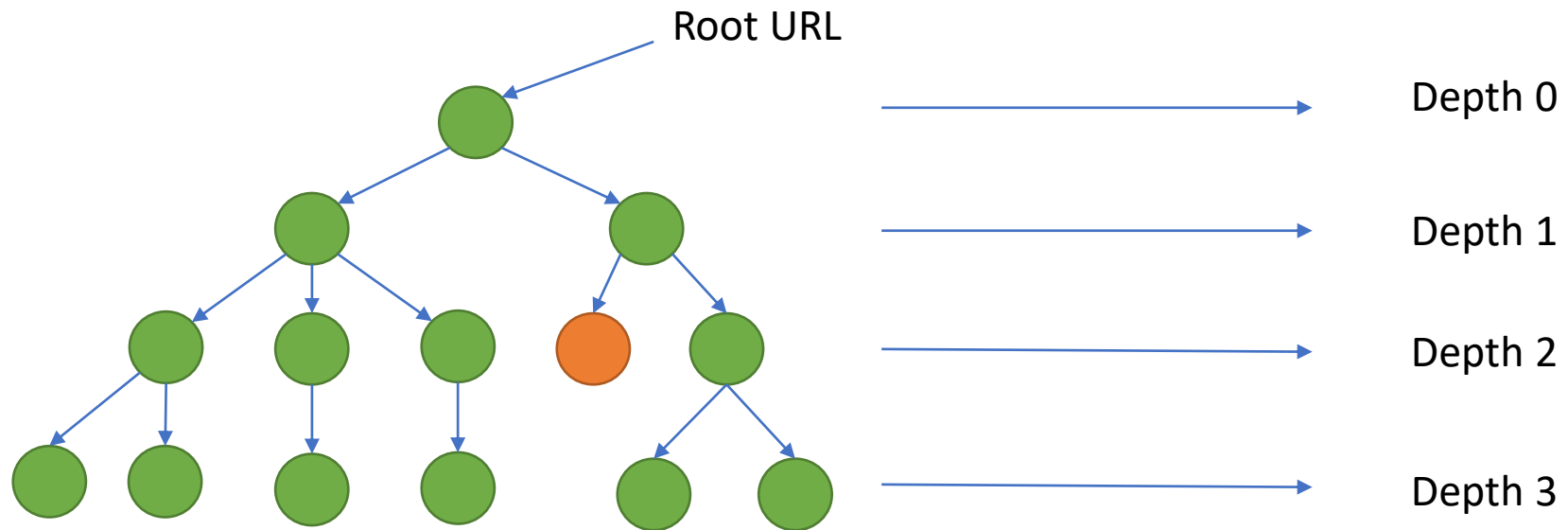
Authentication



Cluster Creation

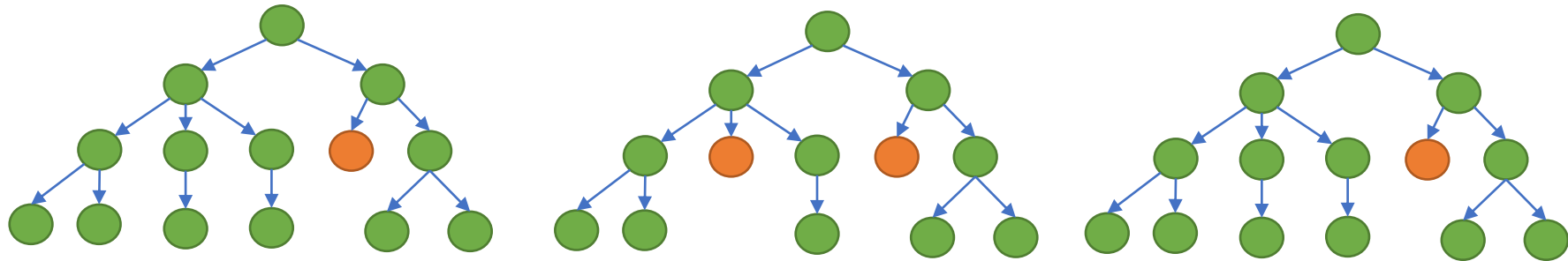


Depth (URL Tree)



Depth (URL Tree)

Multiple Root URLs together form a cluster.

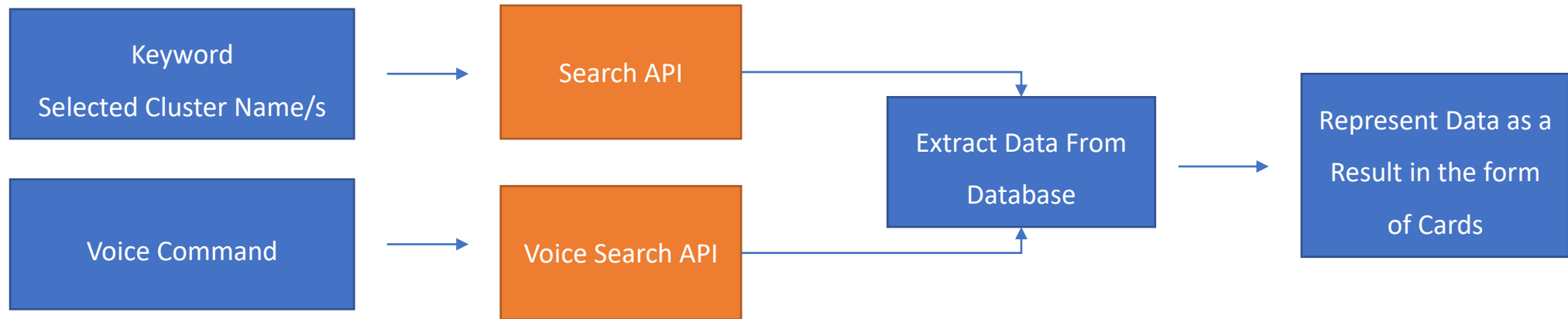


Search and Voice Search 🔍

Each result card will show the following:

Title, Content, Depth, Current URL, Root URL, Type of Document.

Note that Current URL is the URL where the actual document or information was found!



Control Scrapping Strategies

Admins will be able to set the type of documents that can be scrapped by the users. For example, if the admin disables the option to scrap PDF files, then the users will not be able to scrap any kind of PDF document out of the URLs that they will use for the cluster formation process.

Software

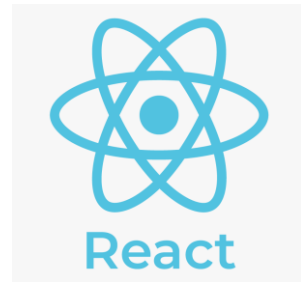
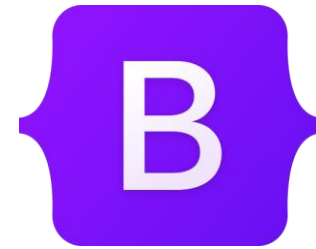
1. UI Design – Adobe XD
2. Version Control System – Git
3. Repository Hosting Service – Bitbucket
4. Task Management – Trello
5. Communication Platform – Slack
6. Backend Development Using Python (IDE) – JetBrains PyCharm
7. Frontend Development (IDE) – Visual Studio Code
8. Android Development – Android Studio
9. Web Server (SQL Database) – Apache XAMPP

Technologies

1. Django
2. React JS
3. BeautifulSoup
4. HTML
5. CSS
6. Bootstrap
7. JavaScript
8. Python
9. XML
10. Java
11. MySQL
12. Django REST Framework



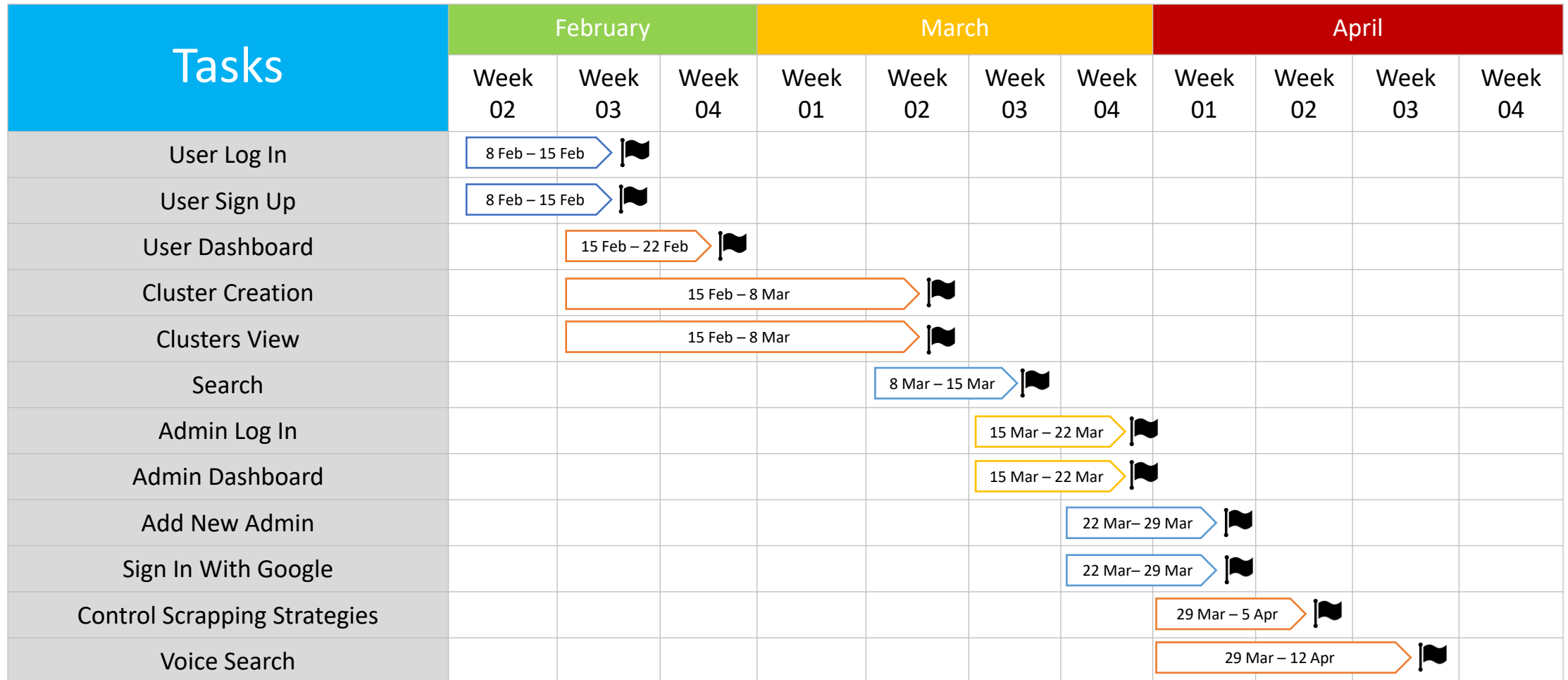
django



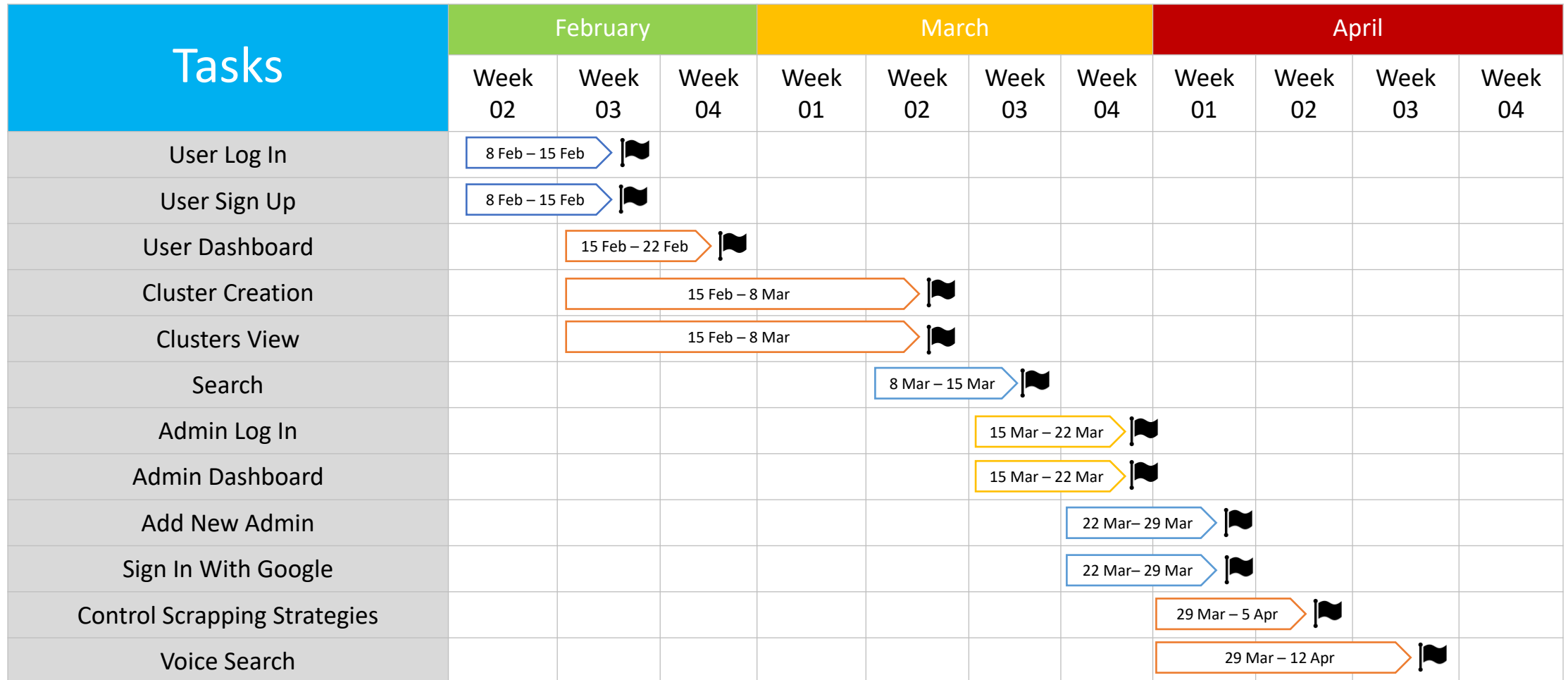
BeautifulSoup



Gantt Chart (Web-Application) - Nelay



Gantt Chart (Mobile-Application) - Rafid





THANK
YOU!