



**Daffodil**  
*International*  
**University**

## **Resource Finder**

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This Project report has been submitted in fulfillment of the requirements for the  
Degree of

Bachelor of Science in Software Engineering.

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## APPROVAL

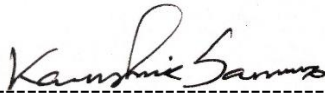
This project titled on “Resource Finder”, submitted by Md. Pjal Ahamed, ID: 181-35-2412 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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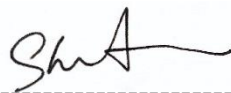
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## DECLARATION

I declare that I have done this project under the supervision of Fatama Binta Rafiq (Lecturer, Department of Software Engineering). Any part of this project is unique. This project has not been submitted elsewhere.



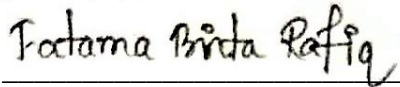
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I am thankful to almighty I have reached this far in my university life. Lots of friends and teachers always motivated to do something great. I have got lots of help and guidelines for this project by my supervisor. I am very thankful for that.

## **ABSTRACT**

Resource Finder web app aims those people who learns topic by searching on the internet. But search engines are not made for learning resources. Resource finder tries to fill this gap by providing resources based on beginner or intermediate or advance category.

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# Chapter 1: Introduction

## 5.1 The purpose of the project

We find lots of blogs, videos when we search for any particular topic. It's very overwhelming for beginners to find a topic by which they can understand. Because search engine algorithm does not give ranking to resources by the level of beginner/intermediate/advance. Also there are lots of authors on the internet. Every author don't write good article or make good video for every topic. That problem will solve the "Resource Finder Web App".

## 5.2 Goals of the project

The web app will not contain any biased review on resources. Users will vote where the resources is good for beginner or intermediate or advance learners. So, that other users don't waste their time by searching and leaving the video or article in the middle because of the difficulty. User can also add and vote authors by the topic. So that other users can know which author's video or article to read for particular topic. The website will be a progressive web app to provide offline contents.

The main goals for the project are:

### For User:

1. To add favorite resources
2. To give vote existing resources in beginner/intermediate/advance category
3. To sort resources
4. To add favorite authors and vote them by the topic
5. To get authors activities from their blog on the resource finder web app
6. To search for resources

### For Admin:

1. Add topic
2. Delete unnecessary resources
3. Delete user if violate terms
4. Delete authors

## 5.3 The Stakeholders

- User
- Admin

## Chapter 2: Requirement Engineering

### 6.1 Functional Requirements

#### 6.1.1 Sign Up

<b>Description</b>	User have to sign up before using the actual functionality of the system
<b>Stakeholders</b>	User
<b>Priority</b>	High

#### 6.1.2 Sign In

<b>FR-02</b>	Sign In
<b>Description</b>	User have to sign in before using the actual functionality of the system
<b>Stakeholders</b>	User, Admin
<b>Priority</b>	High

#### 6.1.3 Add Resource

<b>FR-03</b>	Add Resource
<b>Description</b>	Can add resources on the platform. Resources type will be link.
<b>Stakeholders</b>	User
<b>Priority</b>	High

#### 6.1.4 View Resource

<b>FR-04</b>	View Resource
<b>Description</b>	User and admin can view available resources but the functionality and UI will be different for both.
<b>Stakeholders</b>	User, Admin
<b>Priority</b>	High

#### 6.1.5 Delete Resource

<b>FR-05</b>	Delete Resource
<b>Description</b>	Admin can delete resource only.

<b>Stakeholders</b>	Admin
<b>Priority</b>	Medium

#### 6.1.6 Search Resource

<b>FR-06</b>	Search Resource
<b>Description</b>	Resource can be searched by the title. If any resource won't be found from database will have to show from the search engine result by using public search API.
<b>Stakeholders</b>	User
<b>Priority</b>	High

#### 6.1.7 Vote Resource

<b>FR-07</b>	Vote Resource
<b>Description</b>	User can vote resources on beginner, intermediate and advance category. User can also undo their vote.
<b>Stakeholders</b>	User
<b>Priority</b>	High

#### 6.1.8 Sort Resource

<b>FR-08</b>	Sort Resource
<b>Description</b>	User can sort resources in this manner Beginner, Intermediate and Advance or Intermediate, Advance and Beginner or Advance, Intermediate and Beginner.
<b>Stakeholders</b>	User
<b>Priority</b>	High

#### 6.1.9 Add Author

<b>FR-09</b>	Add Author
<b>Description</b>	Can add author by GitHub handle to fetch articles using API websites like Hashnode.
<b>Stakeholders</b>	User
<b>Priority</b>	Low

#### 6.1.10 Delete Author

<b>FR-10</b>	Delete Author
<b>Description</b>	Admin can delete author only.
<b>Stakeholders</b>	Admin
<b>Priority</b>	Medium

#### 6.1.11 View Author

<b>FR-11</b>	View Author
<b>Description</b>	User and admin can view available authors but the functionality and UI will be different for both. Admin can delete authors only.
<b>Stakeholders</b>	User, Admin
<b>Priority</b>	Low

#### 6.1.12 Vote Author

<b>FR-12</b>	Vote Author
<b>Description</b>	User can vote authors on any topic. User can also undo their vote.
<b>Stakeholders</b>	User
<b>Priority</b>	Medium

#### 6.1.13 Add Topic

<b>FR-13</b>	Add Topic
<b>Description</b>	Can add topic on the platform. Only admin can add topic.
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

#### 6.1.14 Edit Topic

<b>FR-14</b>	Edit Topic
<b>Description</b>	After adding topic, topic name and icon can be changed.
<b>Stakeholders</b>	Admin
<b>Priority</b>	High

### 6.1.15 Delete Topic

<b>FR-15</b>	Delete Topic
<b>Description</b>	Admin can delete topic only.
<b>Stakeholders</b>	Admin
<b>Priority</b>	Medium

### 6.1.16 View Topic

<b>FR-16</b>	View Topic
<b>Description</b>	Topic have to show with the statistic like total vote added.
<b>Stakeholders</b>	User, Admin
<b>Priority</b>	High

### 6.1.17 Disable User

<b>FR-16</b>	Disable User
<b>Description</b>	Based on the suspicious or spam activity admin can disable any user account by their email. If any account is disabled once it can't be activate again.
<b>Stakeholders</b>	Admin
<b>Priority</b>	Medium

## 6.2 Non-Functional Requirements

### 6.2.1 Performance

<b>NFR-1</b>	Good response time
<b>Description</b>	Having good response time will be good for the project to provide resource as fast as possible.
<b>Priority</b>	Medium

### 6.2.2 Scalability

<b>NFR-2</b>	Scalable app
<b>Description</b>	Web shouldn't focus only to reach the goal of current requirements. It have to make with the mindset in future more features will be added so it should be scalable.
<b>Priority</b>	High

### 6.2.3 Portability

<b>NFR-3</b>	Having PWA support would be good
<b>Description</b>	PWA or Progressive Web App support will be nice addition. It can be use like APP of desktop and mobile without being platform dependent.
<b>Priority</b>	Low

### 6.2.4 Security

<b>NFR-4</b>	Password won't be save in plain text in any places
<b>Description</b>	User password won't be save in the database in plain text. For local storage of browser also can't be saved in plain text.
<b>Priority</b>	High

### 6.2.5 Usability

<b>NFR-5</b>	UI will be very simple
<b>Description</b>	UI will be very simple so that any kinds of people can find and use the features easily
<b>Priority</b>	High

# Chapter 3: System Analysis, Design & Specification

## 7.1 Use Case Diagram

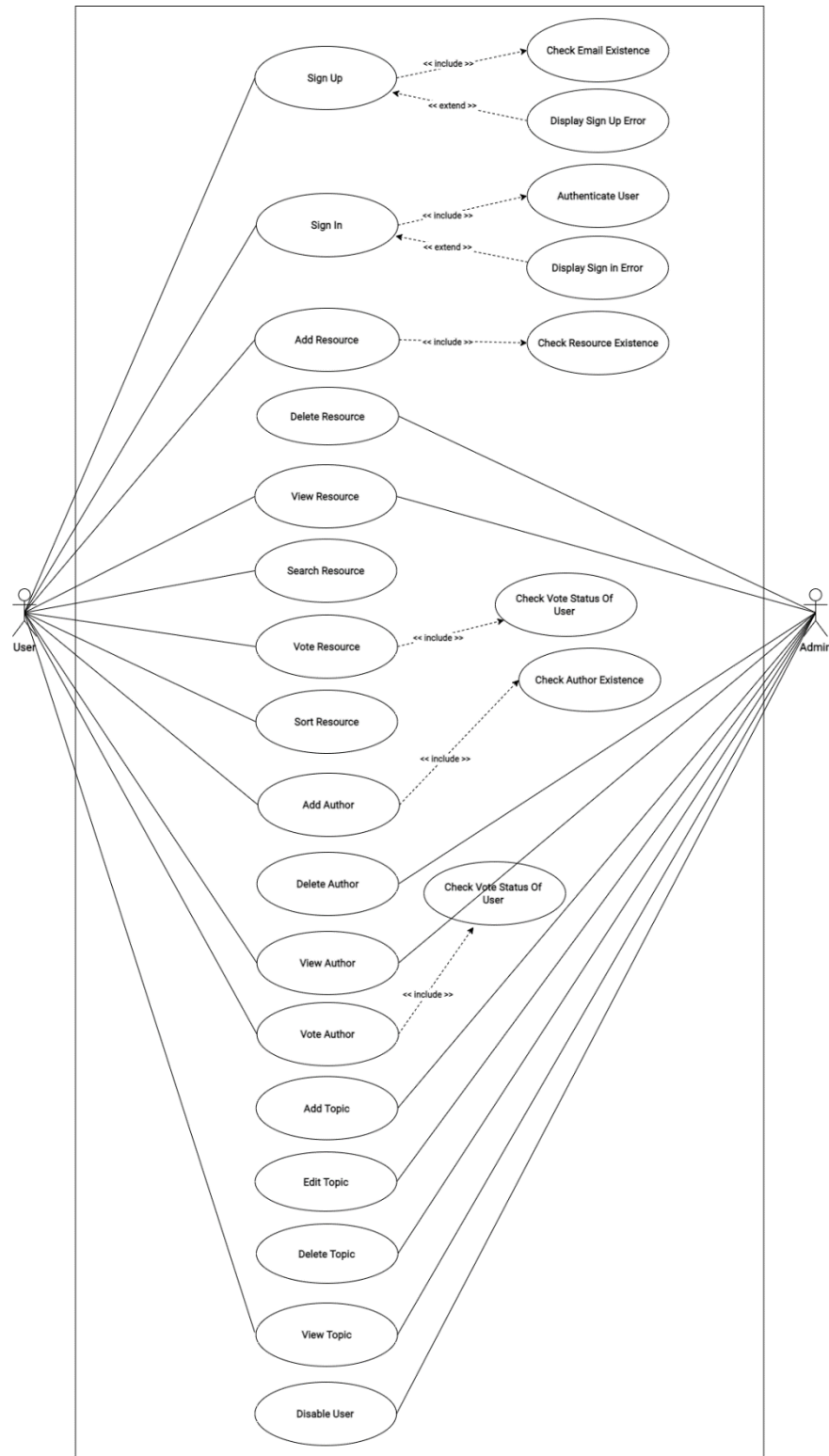


Figure: Use Case Diagram



## 7.2 Use Case Description

### 7.2.1 Use Case 1: Sign Up

Use Case Name	Sign Up	
Actor	User	
Trigger	When clicks on Sign Up button	
Input	Name, Email, Password, Confirm Password	
Preconditions	Needs to have stable internet connection and account	
Flow Of Activities	Step	Action
	1	Insert Email and Password
	2	Clicks on Sign Up Button
	3	Data Gets Validated
	4	If given data is valid user signed up successfully
Alternative Scenario	Already account exist with the given email. If exists will get error	
Post Condition	User signed up successfully	

### 7.2.2 Use Case 2: Sign In

Use Case Name	Sign In	
Actor	User, Admin	
Trigger	When clicks on Sign In button	
Input	Email, Password	
Preconditions	Needs to have account	
Flow Of Activities	Step	Action
	1	Insert Email and Password
	2	Clicks on Sign In Button
	3	Data Gets Via API
	4	If user exists user signed in successfully
Alternative Scenario	Account doesn't exist or credential doesn't match and will get error message.	
Post Condition	User signed in successfully	

### 7.2.3 Use Case 3: Add Resource

Use Case Name	Add Resource	
Actor	User	
Trigger	When clicks on Add Resource button	
Input	Resource Type, Resource Link	
Preconditions	Needs to have account	
Flow Of Activities	Step	Action
	1	Select resource's topic from dropdown
	2	Give resource link
	3	Automatically title and preview generates

	4	Clicks on Add button
	5	Server checks resource existence
	6	If doesn't exist resource adds and shows successful message
Alternative Scenario	Resource already exist or invalid link and gets error	
Post Condition	User add resources successfully	

#### 7.2.4 Use Case 4: View Resource

Use Case Name	View Resource	
Actor	User, Admin	
Trigger	When clicks on View Resource button	
Input	N/A	
Preconditions	Needs to have admin account	
Flow Of Activities	Step	Action
	1	All difficulty resource shows altogether
	2	Selects resource difficulty dropdown
	3	Resource filters according to selected option
Alternative Scenario	N/A	
Post Condition	User gets filtered resources	

#### 7.2.5 Use Case 5: Delete Resource

Use Case Name	Delete Resource	
Actor	Admin	
Trigger	When clicks on Delete Resource button	
Input	N/A	
Preconditions	Needs to have admin account	
Flow Of Activities	Step	Action
	1	Select Resource
	2	Click Delete button
	3	Shows Confirmation Popup
	4	Click Yes button
	6	Resource deletes
Alternative Scenario	Clicks No button on confirmation	
Post Condition	Data deletes successfully on clicking yes	

#### 7.2.6 Use Case 6: Search Resource

Use Case Name	Search Resource	
Actor	User	
Trigger	When clicks on Search bar	
Input	Search text	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Give search text

	2	Server checks existence related given text
	3	Resource founds in database and shows matched resources
Alternative Scenario	Resource doesn't found on database and shows from search engine result using API	
Post Condition	Show resources according to given search text	

### 7.2.7 Use Case 7: Vote Resource

Use Case Name	Vote Resource	
Actor	User	
Trigger	When clicks on vote icon	
Input	n/a	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click on vote icon
	2	Choose beginner or intermediate or advance from the modal
	3	Vote added on the database
Alternative Scenario	If vote exists already on the selected option it will remove the vote	
Post Condition	Vote status updates	

### 7.2.8 Use Case 8: Sort Resource

Use Case Name	Sort Resource	
Actor	User	
Trigger	When clicks on Sort	
Input	n/a	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click sort icon
	2	Selects sort category from the modal
	3	Resources shows based on selection
Alternative Scenario	No resources is found for the selection	
Post Condition	Resource gets sorted according the selection	

### 7.2.9 Use Case 9: Add Author

Use Case Name	Add Author	
Actor	User	
Trigger	When clicks on add author button	
Input	Author GitHub username	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click add button

	2	Give author's GitHub username
	3	Author added in database
Alternative Scenario	Author already exists in database and it won't be added	
Post Condition	Author gets added in database if unique only	

#### 7.2.10 Use Case 10: Delete Author

Use Case Name	Delete Author	
Actor	Admin	
Trigger	When clicks on delete author button	
Input	n/a	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click delete button
	2	Confirmation modal with "yes" and "no" shows
	3	Clicks yes button
	4	Author removes from the database
Alternative Scenario	Admin selects "no" on the confirmation modal	
Post Condition	Author gets deleted on clicking yes and not deleted on "no" selection	

#### 7.2.11 Use Case 11: View Author

Use Case Name	View Author	
Actor	User, Admin	
Trigger	When clicks on view author button	
Input	n/a	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click view author button
	2	Fetch author data from database
	3	Shows fetched data on UI
Alternative Scenario	No data founds on database	
Post Condition	If data founds it shows on UI	

#### 7.2.12 Use Case 12: Vote Author

Use Case Name	Vote Author	
Actor	User	
Trigger	When clicks on vote author button	
Input	n/a	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click on vote icon

	2	Choose any topic
	3	Vote added on the database
Alternative Scenario	If vote exists already on the selected option it will remove the vote	
Post Condition	Vote status updates	

### 7.2.13 Use Case 13: Add Topic

Use Case Name	Add Topic	
Actor	Admin	
Trigger	When clicks on add topic option	
Input	Topic name and icon	
Preconditions	Needs to have an account	
Flow Of Activities	Step	Action
	1	Click on add topic option
	2	Insert topic name, choose icon
	3	Clicks add button
	4	Data saves on database
Alternative Scenario	Topic already exist and doesn't save in database	
Post Condition	Unique topics adds in database	

### 7.2.14 Use Case 14: Edit Topic

Use Case Name	Edit Topic	
Actor	Admin	
Trigger	When clicks on edit topic option	
Input	Topic name or icon	
Preconditions	Needs to have an admin account	
Flow Of Activities	Step	Action
	1	Click on edit topic option
	2	Insert topic name or choose icon
	3	Clicks update button
	4	Data saves on database
Alternative Scenario	Topic name already exist and doesn't save in database	
Post Condition	Unique topics adds in database	

### 7.2.15 Use Case 15: Delete Topic

Use Case Name	Delete Topic	
Actor	Admin	
Trigger	When clicks on delete topic option	
Input	n/a	
Preconditions	Needs to have an admin account	
Flow Of Activities	Step	Action
	1	Selects topic

	2	Click on delete topic option
	3	Click yes on confirmation popup
	4	Data deletes from database
Alternative Scenario	Click No button on confirmation	
Post Condition	Data deletes successfully on clicking yes	

#### 7.2.16 Use Case 16: View Topic

Use Case Name	View Topic	
Actor	Admin, User	
Trigger	When clicks on view topic option	
Input	n/a	
Preconditions	n/a	
Flow Of Activities	Step	Action
	1	Click view topic
	2	Topic fetch by API
	3	Topic shows
Alternative Scenario	No topic exists and shows no topic found message	
Post Condition	If topic exists shows it	

#### 7.2.17 Use Case 17: Disable User

Use Case Name	Disable User	
Actor	Admin	
Trigger	When clicks on delete option	
Input	n/a	
Preconditions	n/a	
Flow Of Activities	Step	Action
	1	Select user
	2	Click disable button
	3	Click yes on confirmation popup
	4	User account disables
Alternative Scenario	Click No button on confirmation	
Post Condition	After disabling user won't be able to login	

## 7.3 Activity Diagram

### 7.3.1 Sign Up

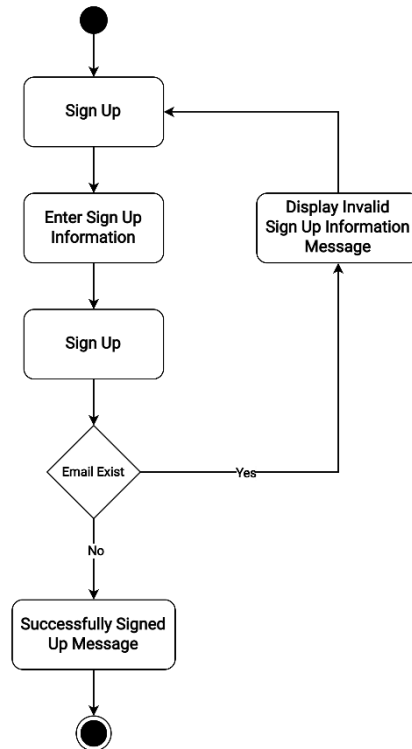


Figure: Activity Diagram (Sign Up)

### 7.3.2 Sign In

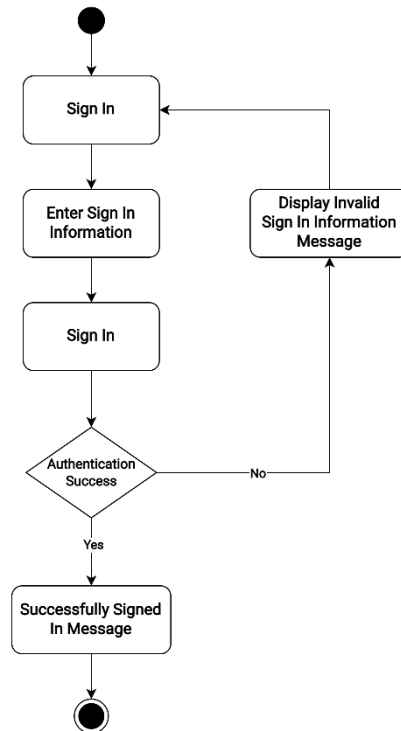


Figure: Activity Diagram (Sign In)

### 7.3.3 Add Resource

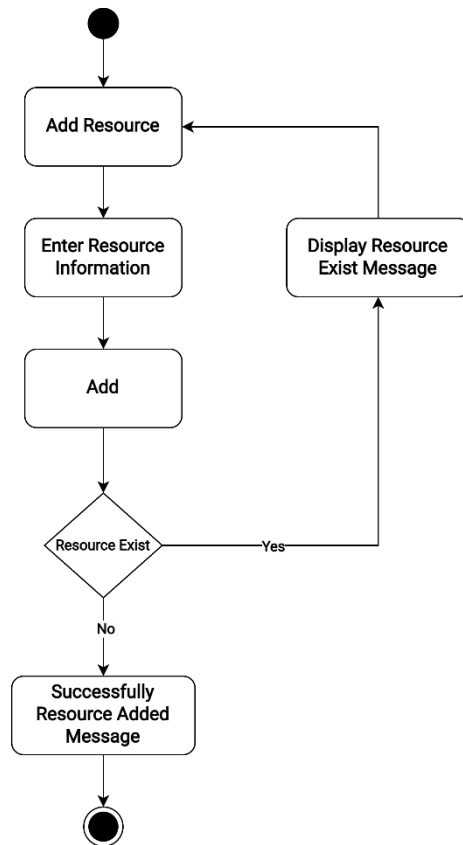


Figure: Activity Diagram (Add Resource)

### 7.3.4 View Resource

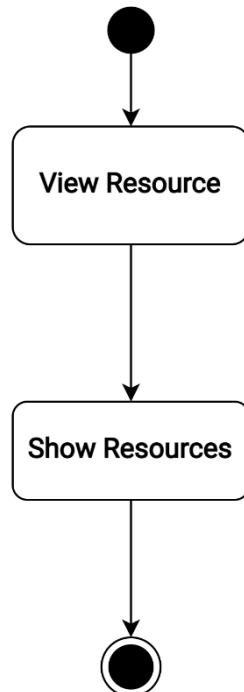


Figure: Activity Diagram (View Resource)



### 7.3.5 Delete Resource

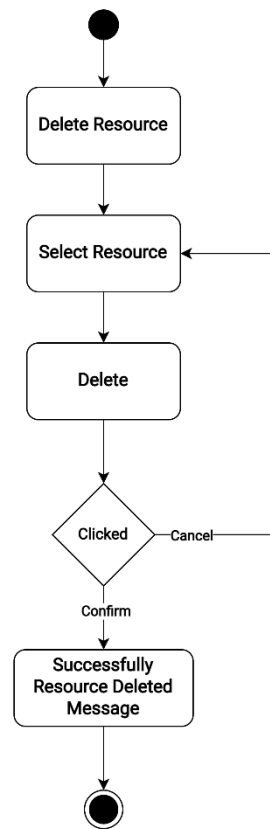


Figure: Activity Diagram (Delete Resource)

### 7.3.6 Search Resource

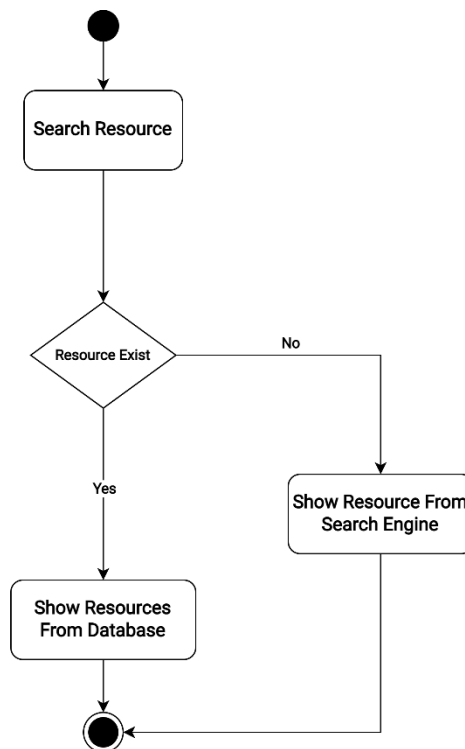


Figure: Activity Diagram (Search Resource)

### 7.3.7 Vote Resource

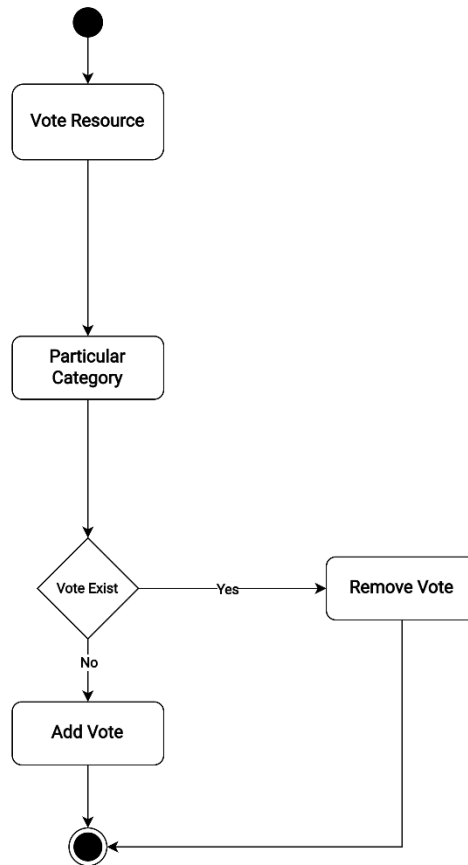


Figure: Activity Diagram (Vote Resource)

### 7.3.8 Sort Resource

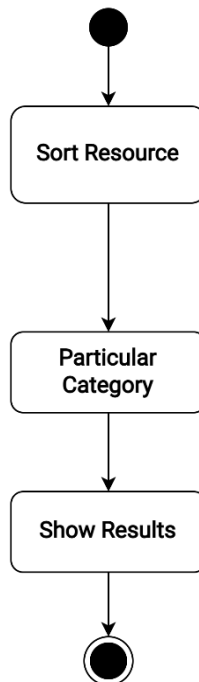


Figure: Activity Diagram (Sort Resource)

### 7.3.9 Add Author

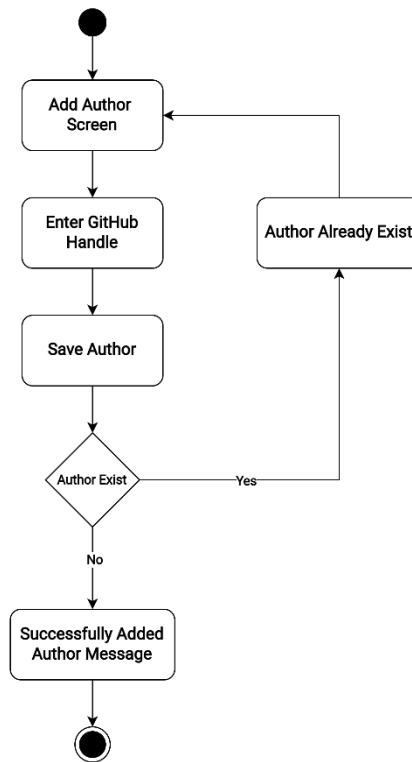


Figure: Activity Diagram (Add Author)

### 7.3.10 Delete Author

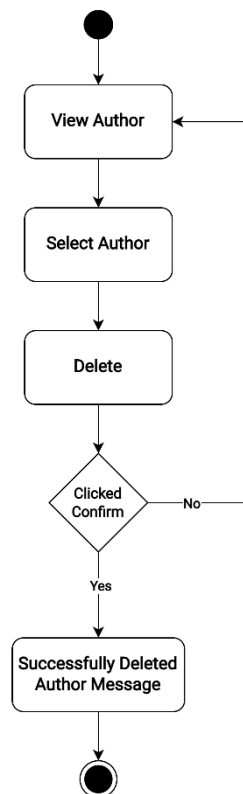


Figure: Activity Diagram (Delete Author)

### 7.3.11 View Author

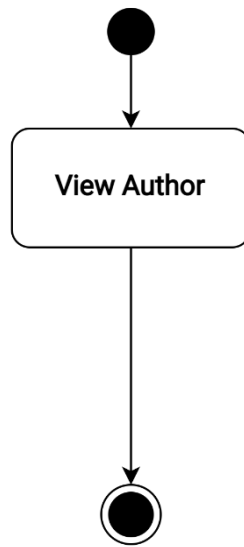


Figure: Activity Diagram (View Author)

### 7.3.12 Vote Author

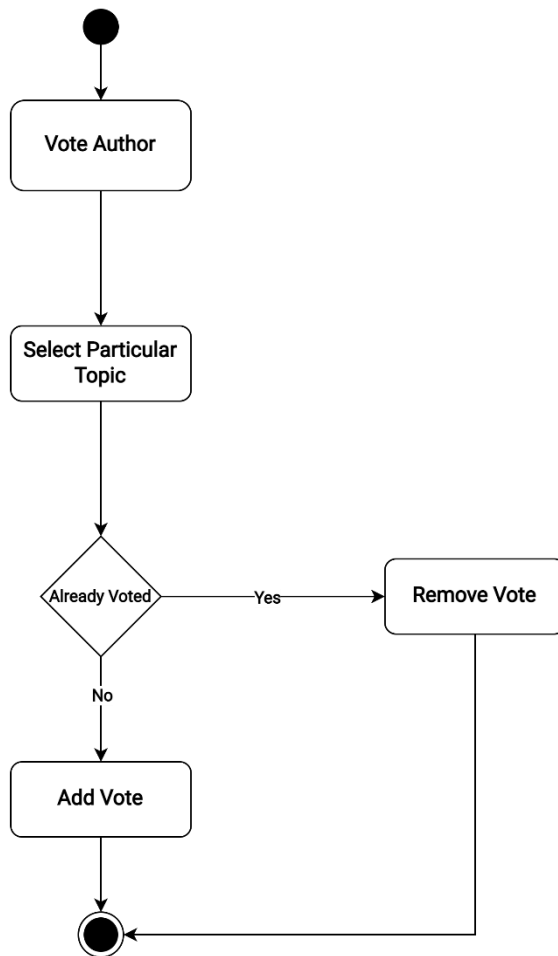


Figure: Activity Diagram (Vote Author)

### 7.3.13 Add Topic

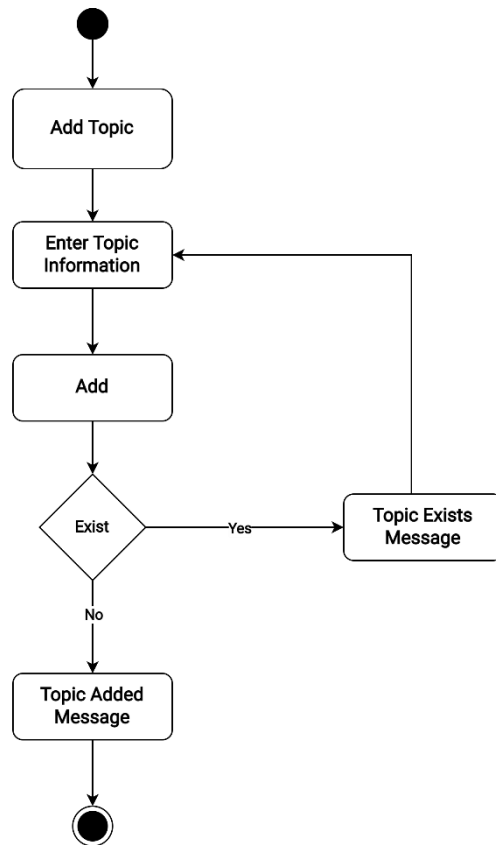


Figure: Activity Diagram (Add Topic)

### 7.3.14 Edit Topic

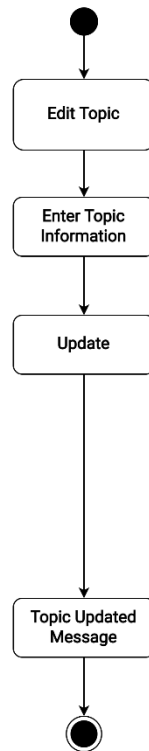


Figure: Activity Diagram (Edit Topic)

### 7.3.15 Delete Topic

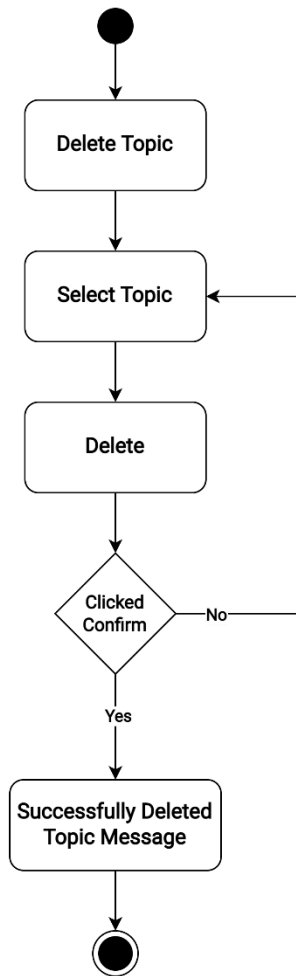


Figure: Activity Diagram (Delete Topic)

### 7.3.16 View Topic

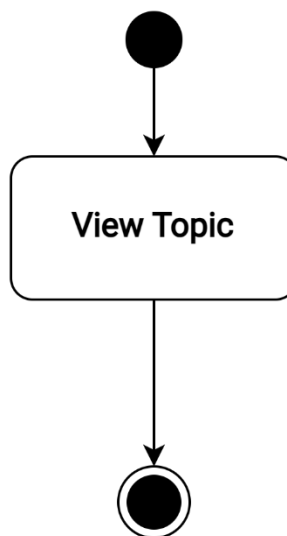


Figure: Activity Diagram (View Topic)

### 7.3.17 Disable User

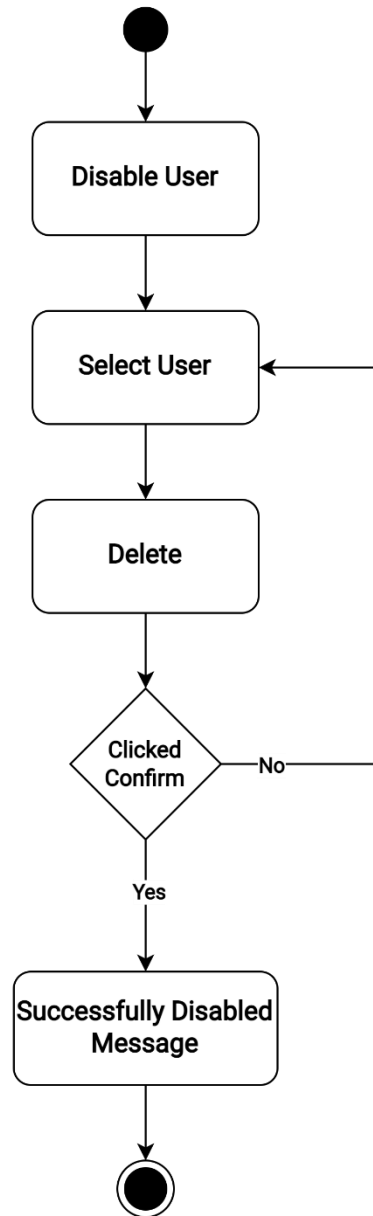


Figure: Activity Diagram (Disable User)

## 7.4 Sequence Diagram

### 7.4.1 Sign Up

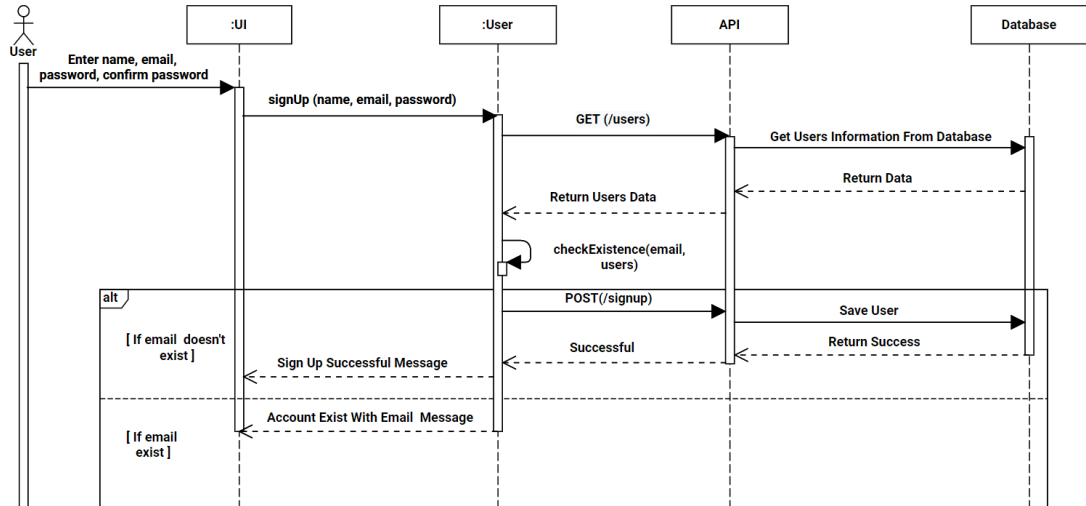


Figure: Sequence Diagram (Sign Up)

### 7.4.2 Sign In

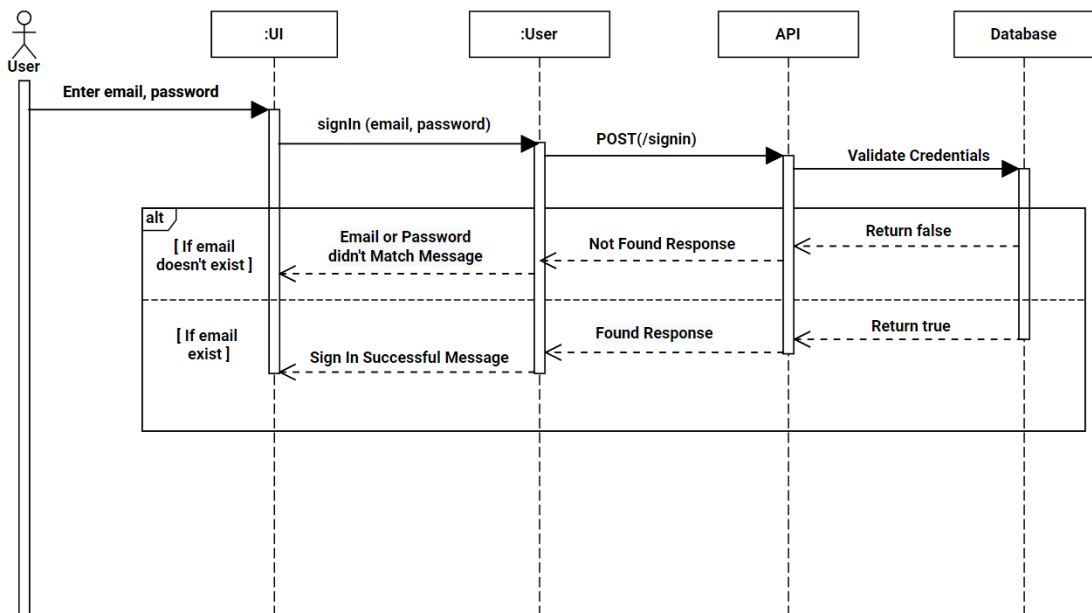


Figure: Sequence Diagram (Sign In: User)



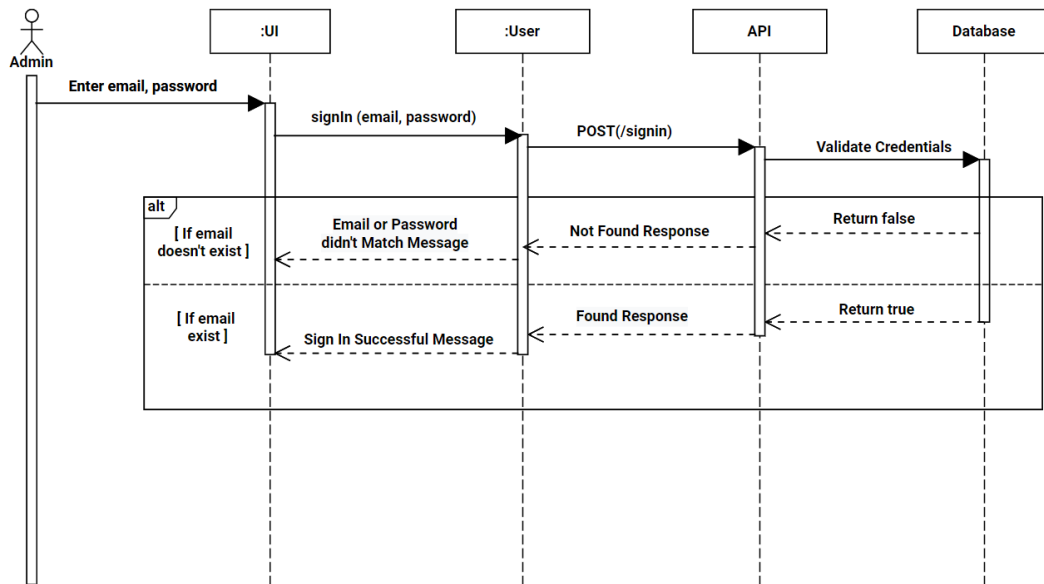


Figure: Sequence Diagram (Sign In: Admin)

### 7.4.3 Add Resource

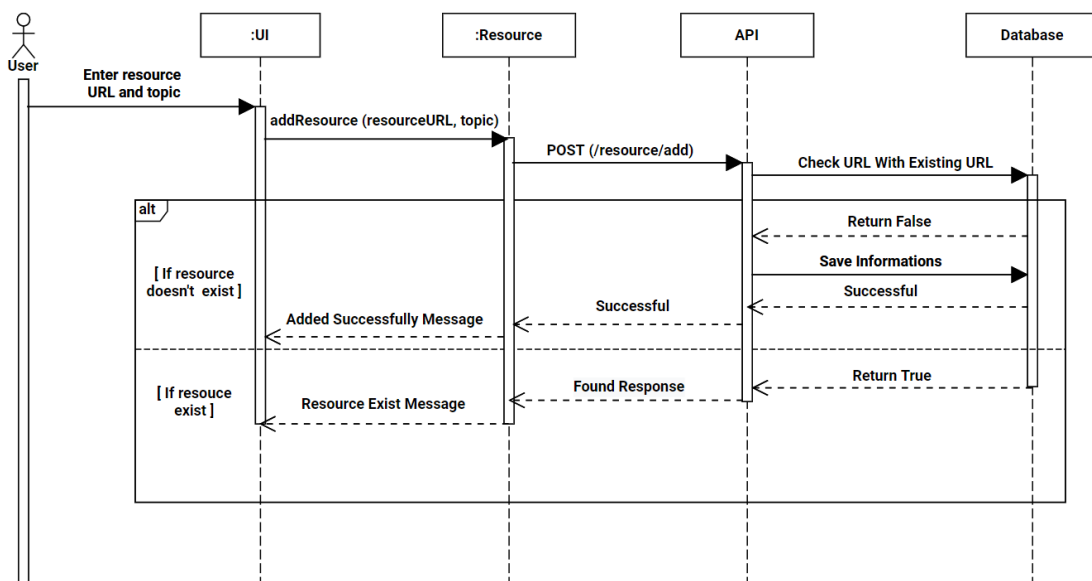


Figure: Sequence Diagram (Add Resource)

### 7.4.4 View Resource

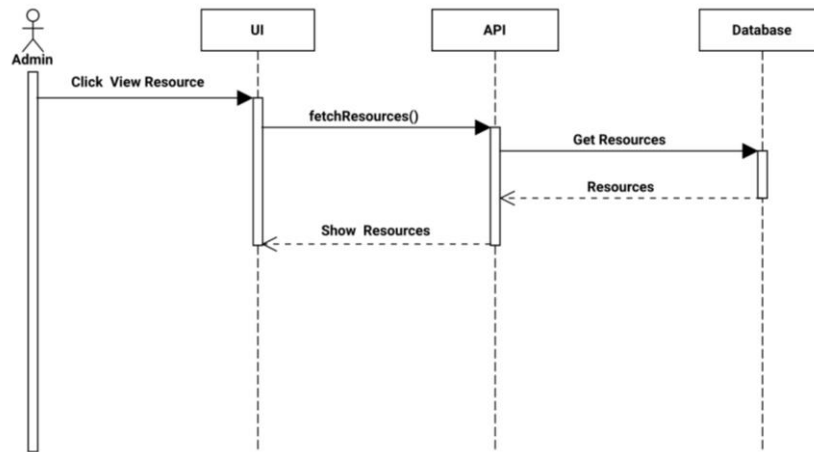


Figure: Sequence Diagram (View Resource: Admin)

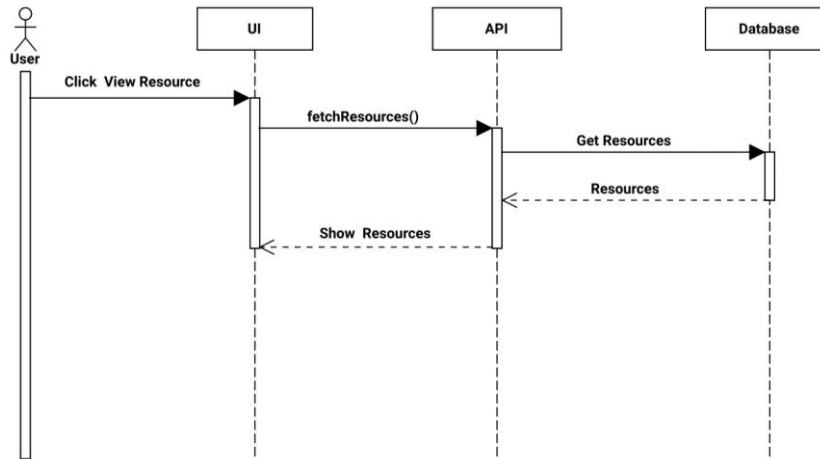


Figure: Sequence Diagram (View Resource: User)

### 7.4.5 Delete Resource

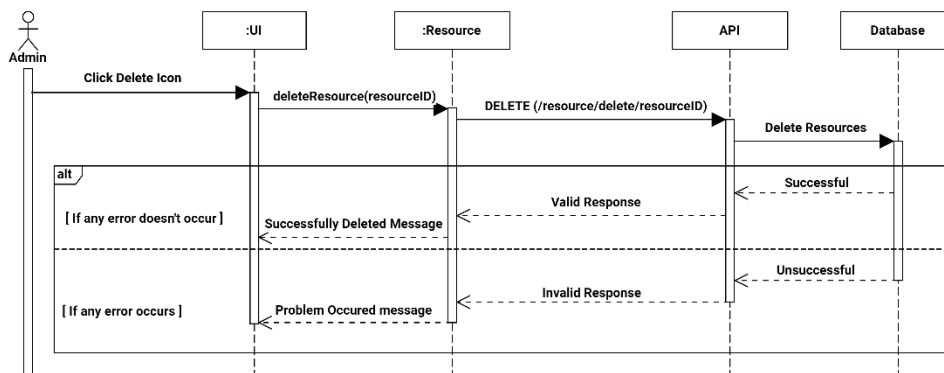


Figure: Sequence Diagram (Delete Resource)

### 7.4.6 Search Resource

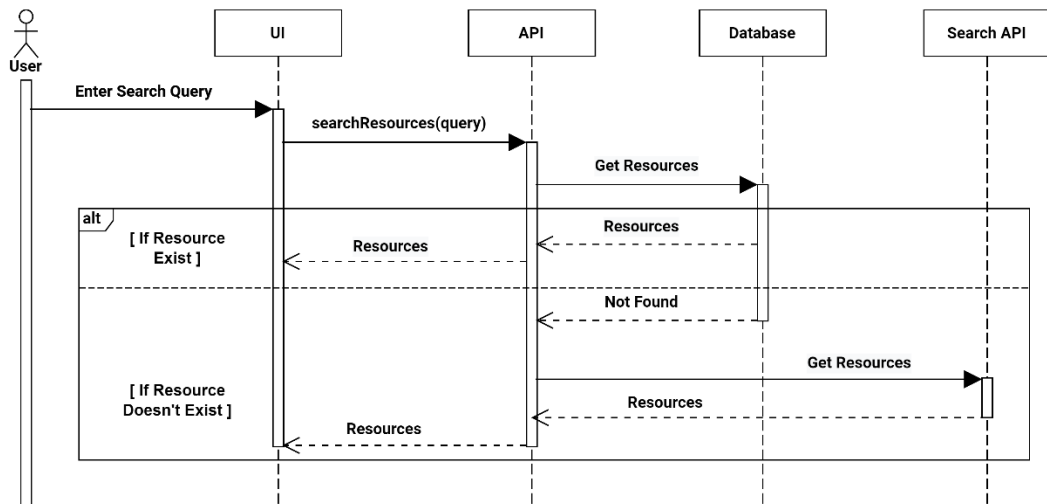


Figure: Sequence Diagram (Search Resource)

### 7.4.7 Vote Resource

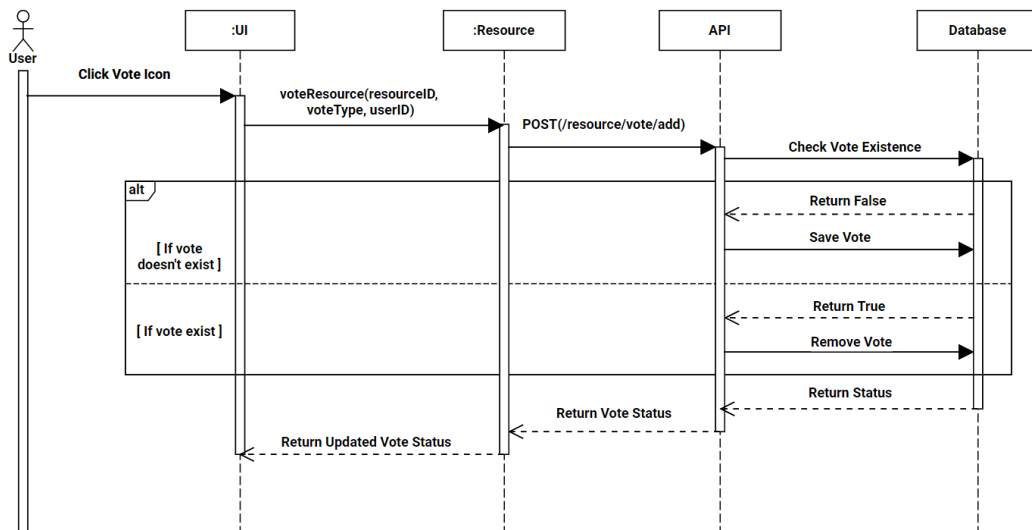


Figure: Sequence Diagram (Vote Resource)

### 7.4.8 Sort Resource

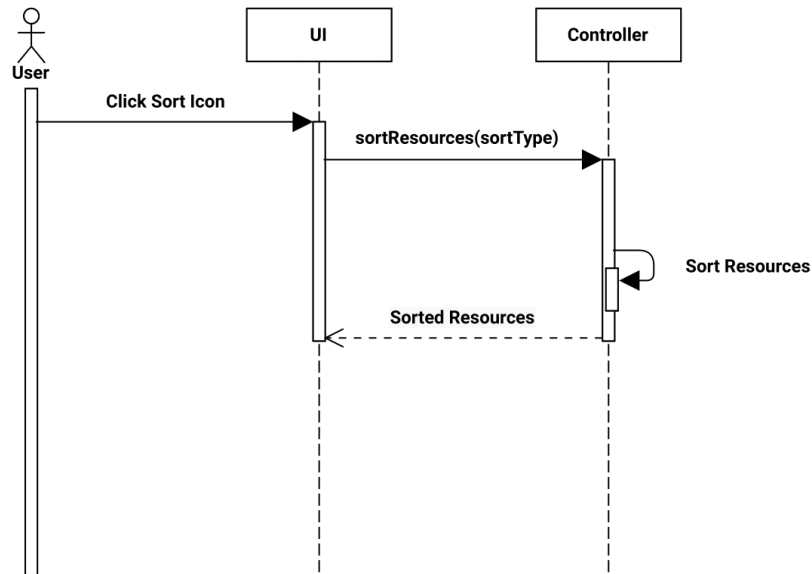


Figure: Sequence Diagram (Sort Resource)

### 7.4.9 Add Author

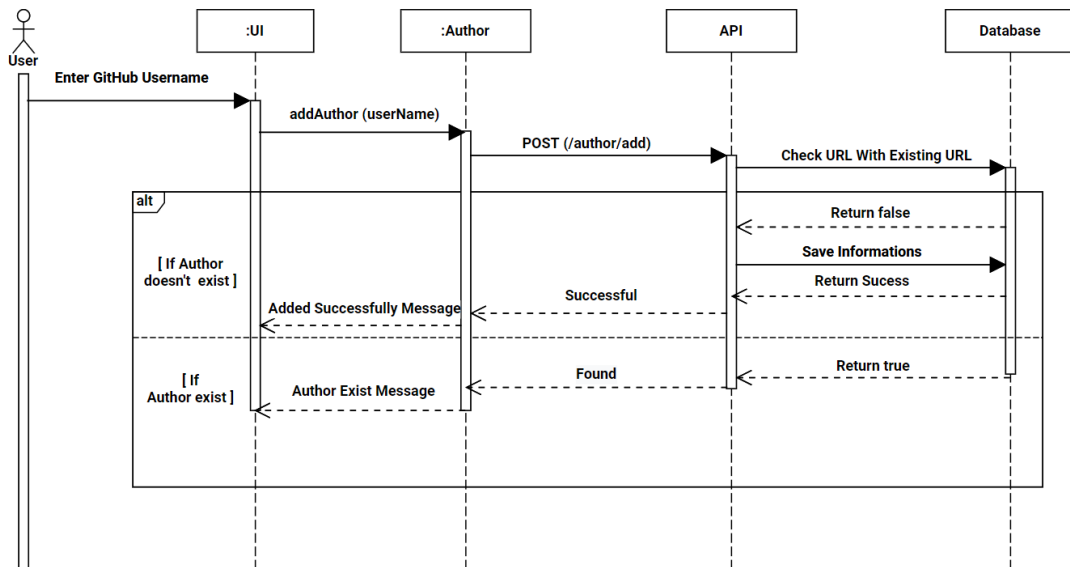


Figure: Sequence Diagram (Add Author)

### 7.4.10 Delete Author

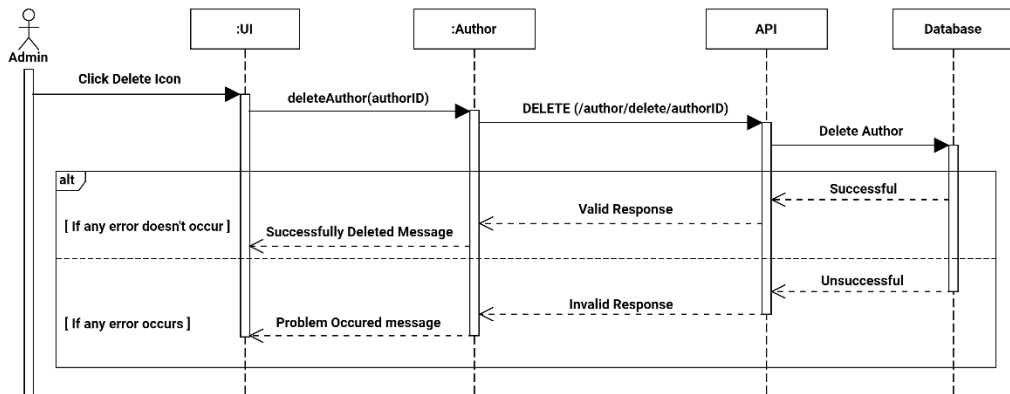


Figure: Sequence Diagram (Edit Topic)

### 7.4.11 View Author

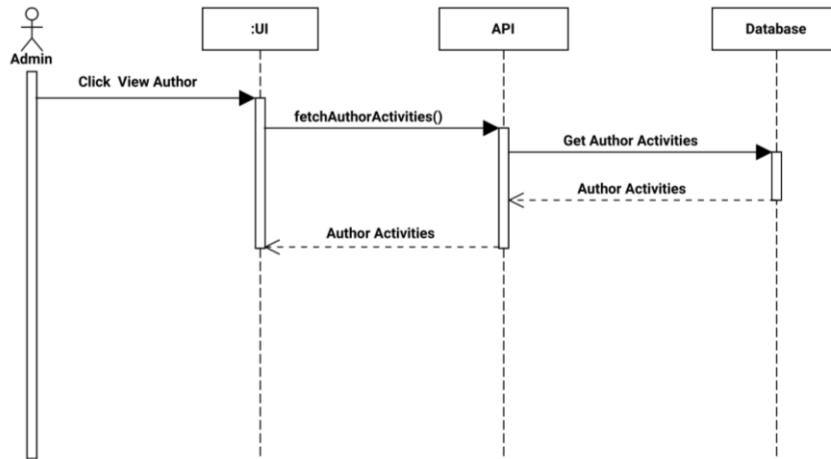


Figure: Sequence Diagram (View Author: Admin)

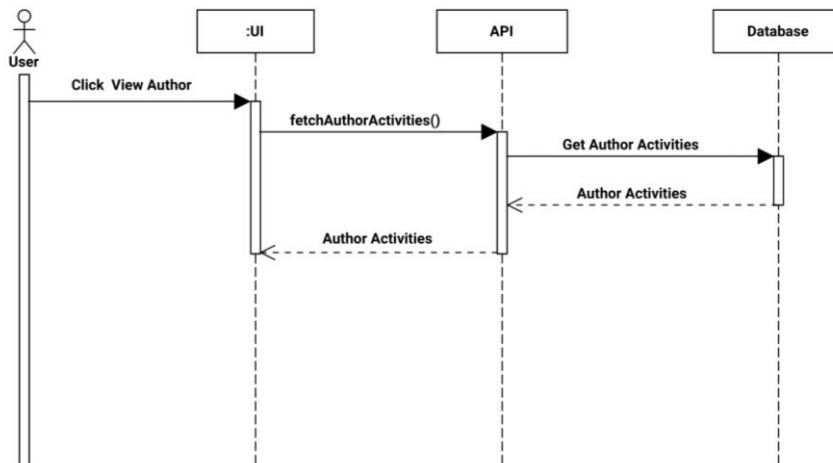


Figure: Sequence Diagram (View Author: User)

### 7.4.12 Vote Author

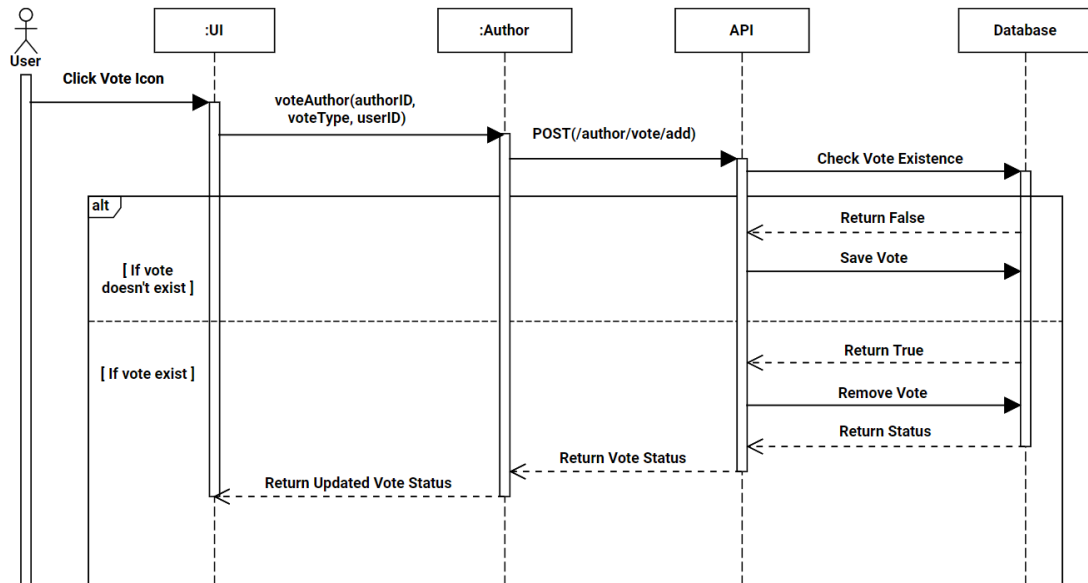


Figure: Sequence Diagram (Vote Author)

### 7.4.13 Add Topic

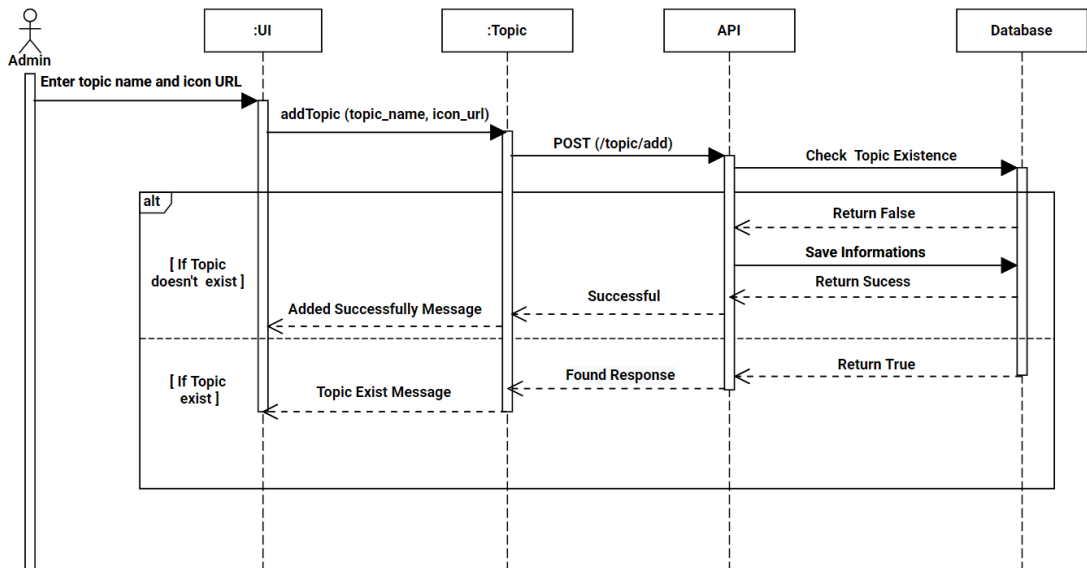


Figure: Sequence Diagram (Add Topic)

### 7.4.14 Edit Topic

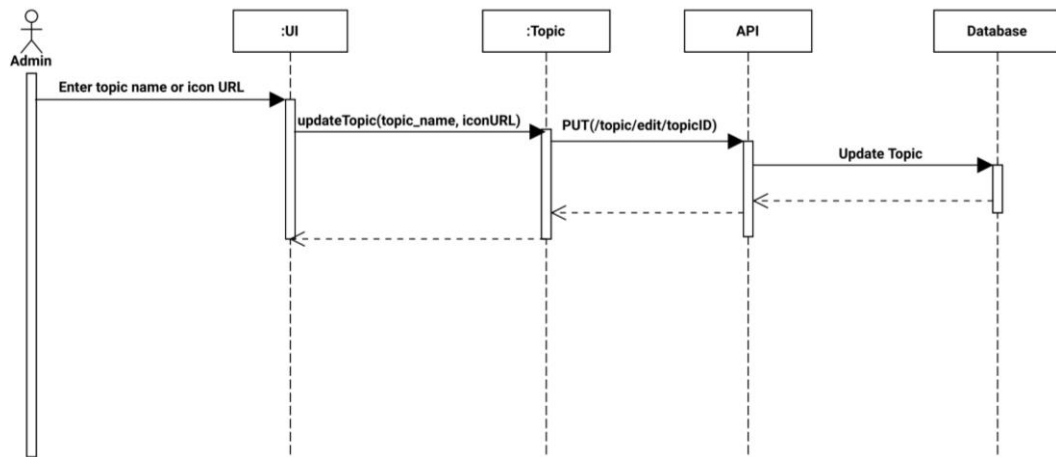


Figure: Sequence Diagram (Edit Topic)

### 7.4.15 Delete Topic

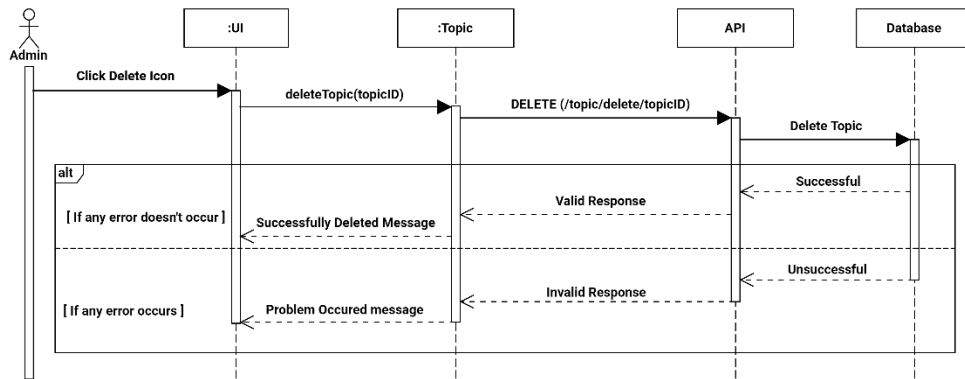


Figure: Sequence Diagram (Delete Topic)

### 7.4.16 View Topic

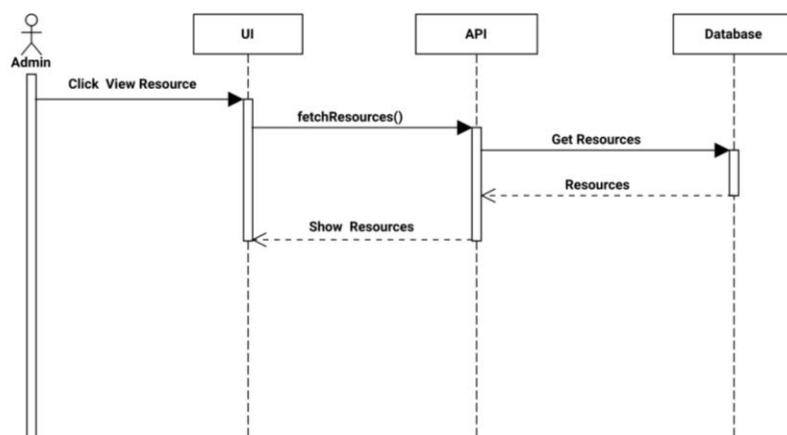


Figure: Sequence Diagram (View Topic: Admin)

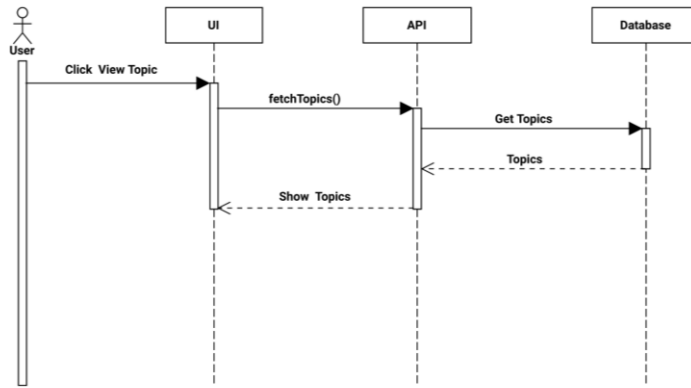


Figure: Sequence Diagram (View Topic: User)

### 7.4.17 Disable User

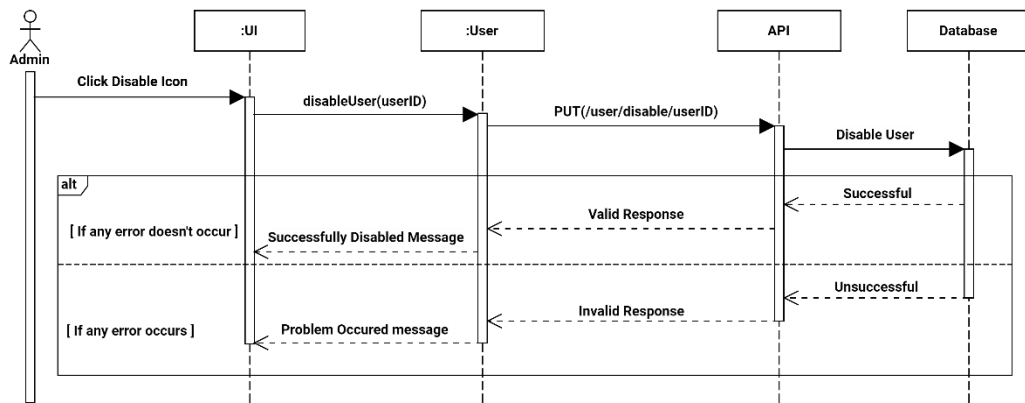


Figure: Sequence Diagram (Disable User)



## 7.5 ER Diagram

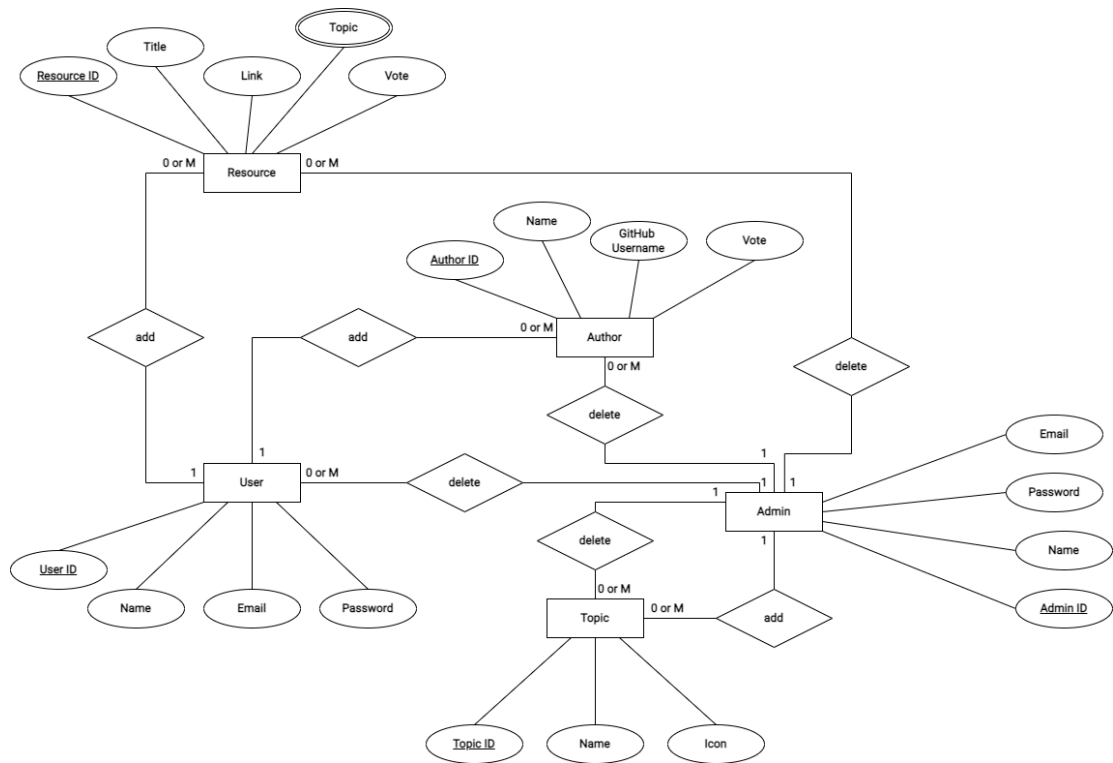


Figure: ER Diagram

## Chapter 4: System Testing

### 8.1 Test Case

<b>TC-1 Sign In</b>						
<b>Test</b>	<b>Description</b>	<b>Input</b>	<b>Output</b>	<b>Expected Output</b>	<b>Status</b>	<b>Comment</b>
1	With valid credential	email (pial@gmail.com), password(12345)	Success Response	Success Response	Pass	
2	With invalid credential	email (pial@gmail.com), password(1245)	Error Occurred	Error Occurred	Pass	

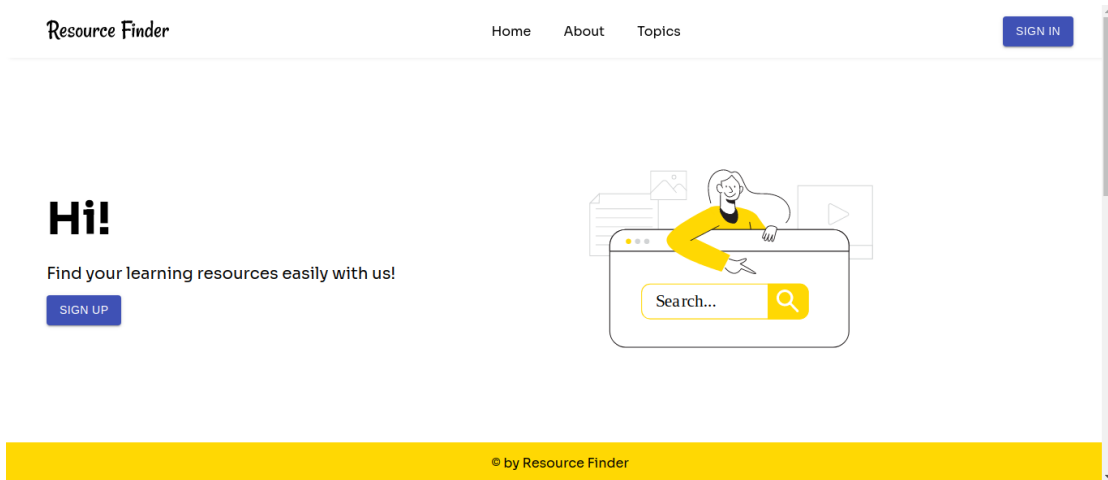
<b>TC-2 Sign Up</b>						
<b>Test</b>	<b>Description</b>	<b>Input</b>	<b>Output</b>	<b>Expected Output</b>	<b>Status</b>	<b>Comment</b>
1	Using existing email in database	name(chissran), email (pial@gmail.com), password(12345)	Error Occurred	Error Occurred	Pass	
2	Using unused email	name(pial), email (pialsss@gmail.com), password(1245)	Success Response	Success Response	Pass	

<b>TC-3 Vote Resource</b>						
<b>Test</b>	<b>Description</b>	<b>Input</b>	<b>Output</b>	<b>Expected Output</b>	<b>Status</b>	<b>Comment</b>
1	User did not vote	voteType(Beginner), user(pial@gmail.com)	Success Response	Success Response	Pass	
2	User already voted	voteType(Beginner), user(pial@gmail.com)	Success Response	Invalid response	Fail	Given response like new vote

TC -4	Add Resource					
Test	Description	Input	Output	Expected Output	Status	Comment
1	Adding unique resource	user (pial@gmail.com), link(https://www.js.com)	Success Response	Success Response	Pass	
2	Adding duplicate resource	user (pialsss@gmail.com), link(https://www.js.com)	Invalid response	Invalid response	Pass	

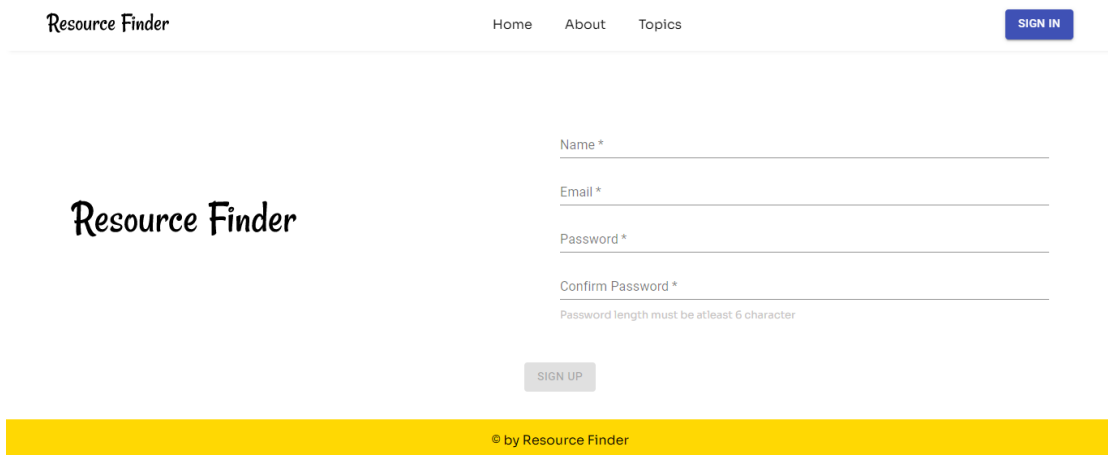
## Chapter 5: User Manual

Home page of resource finder. Without sign in user and admin can't use the core functionalities.



### 9.1 Sign Up

User can only create account from UI. Email must be unique. After successful sign up user will redirect to login page. Without filling all information and if password and confirm password doesn't match user can't sign up. Admin account will be created from database or ken sign up as a user then can be assigned from database account type.



## 9.2 Sign In

Both user and admin will sign in from the same login page. According to account information both will redirect to their own pages.

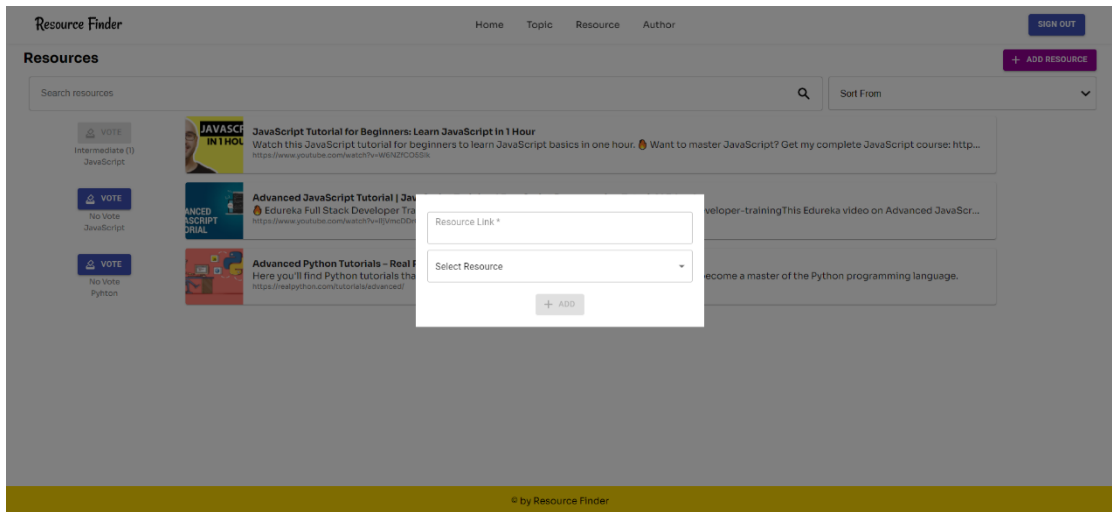
The screenshot shows the 'Resource Finder' login page. At the top left is the site name 'Resource Finder'. In the top right, there are navigation links for 'Home', 'About', and 'Topics', and a blue 'SIGN IN' button. The main content area features the 'Resource Finder' logo on the left and a login form on the right. The form has two input fields: 'Email \*' with the value 'pial@pial.com' and 'Password \*' with masked characters '.....'. Below the form is a blue 'SIGN IN' button. Underneath the button is a link: 'Don't have an account? [Sign Up](#)'. At the bottom of the page, a yellow footer bar contains the text '© by Resource Finder'.

## 9.3 Resource (User)

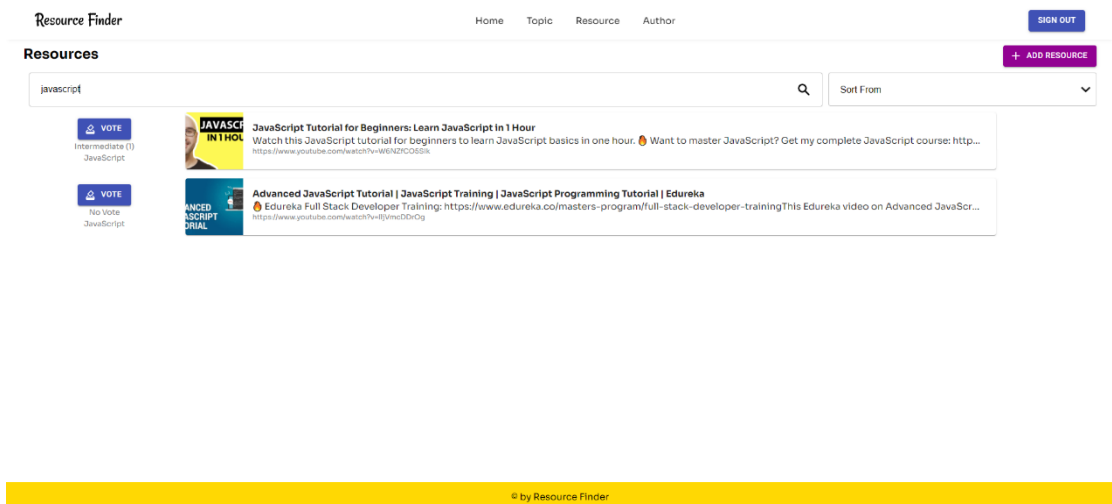
User can view resources search resources vote resources, sort resources also can vote resource.

The screenshot shows the 'Resource (User)' page. At the top left is the site name 'Resource Finder'. In the top right, there are navigation links for 'Home', 'Topic', and 'Resource', and a blue 'SIGN OUT' button. The main content area is titled 'Resources' and features a search bar with the placeholder 'Search resources' and a magnifying glass icon. To the right of the search bar is a 'Sort From' dropdown menu. Below the search bar, there are three resource cards. Each card has a 'VOTE' button with a thumbs-up icon and a 'No Vote' button with a thumbs-down icon. The first card is for 'JavaScript Tutorial for Beginners: Learn JavaScript In 1 Hour' with a 'VOTE' button showing 'Intermediate (1)' and 'JavaScript'. The second card is for 'Advanced JavaScript Tutorial | JavaScript Training | JavaScript Programming Tutorial | Edureka' with a 'VOTE' button showing 'No Vote' and 'JavaScript'. The third card is for 'Advanced Python Tutorials – Real Python' with a 'VOTE' button showing 'No Vote' and 'Pyhton'. At the bottom of the page, a yellow footer bar contains the text '© by Resource Finder'.

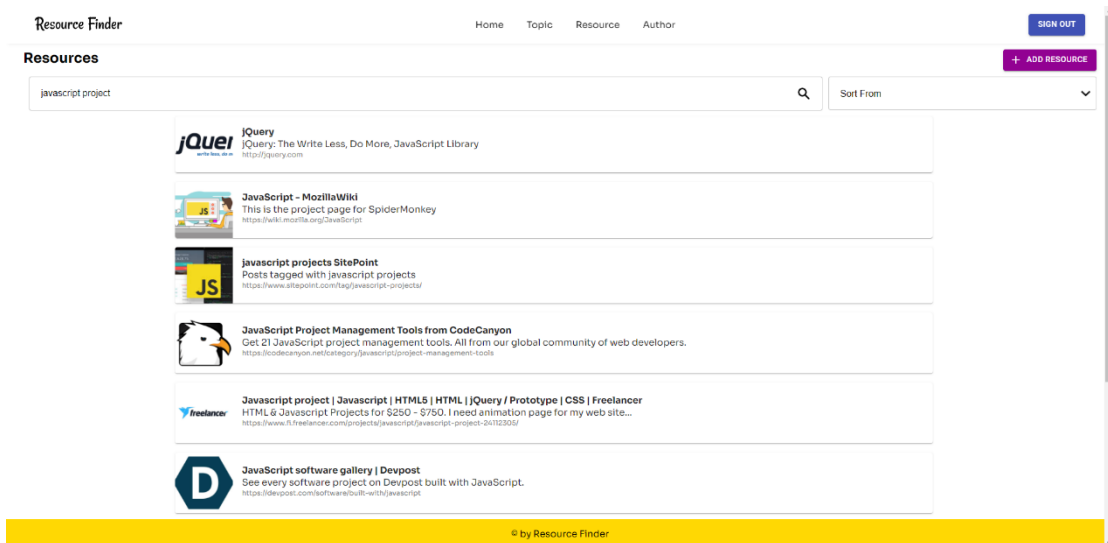
To add resource user have to give resource link and in which topic it is being added. Without filling all information user can't request to add resource.



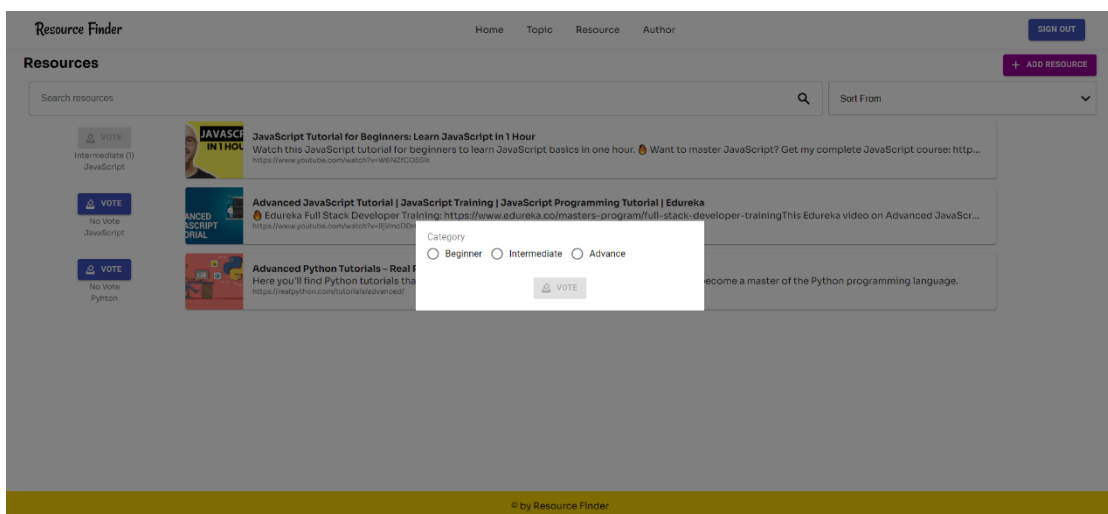
User can give any search query and it will appear according to query.



If it doesn't find anything on the database it will use search API to pull results but there won't be any vote option.



To vote resources user have to click vote button. User have to select at least one category to give vote. Have to fill all input to add resource otherwise button will be disabled.



After giving vote for particular resource user can't vote again.

Resource Finder Home Topic Resource [SIGN OUT](#)


**Resources** [+ ADD RESOURCE](#)

Search resources  Sort From


[VOTE](#)  
Intermediate (1)  
JavaScript

[VOTE](#)  
No Vote  
JavaScript


[VOTE](#)  
No Vote  
Python



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<https://www.youtube.com/watch?v=W5NzTCQ55ik>



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Edureka Full Stack Developer Training: <https://www.edureka.co/masters-program/full-stack-developer-training>This Edureka video on Advanced JavaScr...  
<https://www.youtube.com/watch?v=HjVmcDDrGg>



**Advanced Python Tutorials - Real Python**  
Here you'll find Python tutorials that teach you advanced concepts so you can be on your way to become a master of the Python programming language.  
<https://realpython.com/tutorials/advanced/>

© by Resource Finder

## 9.4 Resource (Admin)

Admin will see all resources and can see by whom resource has added. It will help to reduce spam.

Resource Finder Home Topic Resource Author [SIGN OUT](#)

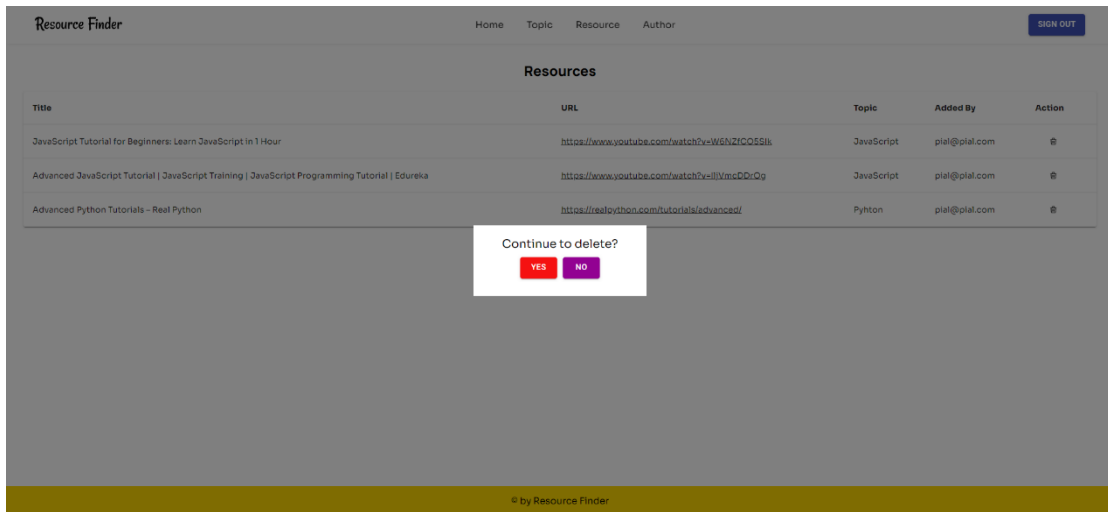
**Resources**

Title	URL	Topic	Added By	Action
JavaScript Tutorial for Beginners: Learn JavaScript in 1 Hour	<a href="https://www.youtube.com/watch?v=W5NzTCQ55ik">https://www.youtube.com/watch?v=W5NzTCQ55ik</a>	JavaScript	pial@pial.com	🗑️
Advanced JavaScript Tutorial   JavaScript Training   JavaScript Programming Tutorial   Edureka	<a href="https://www.youtube.com/watch?v=HjVmcDDrGg">https://www.youtube.com/watch?v=HjVmcDDrGg</a>	JavaScript	pial@pial.com	🗑️
Advanced Python Tutorials - Real Python	<a href="https://realpython.com/tutorials/advanced/">https://realpython.com/tutorials/advanced/</a>	Python	pial@pial.com	🗑️

© by Resource Finder

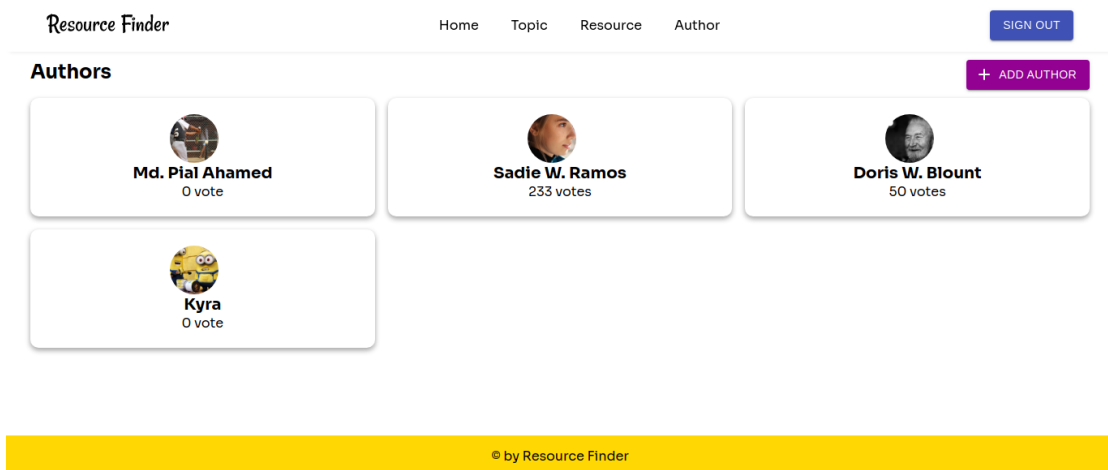


Admin can delete resources only. To delete have to click YES button after clicking trash icon.



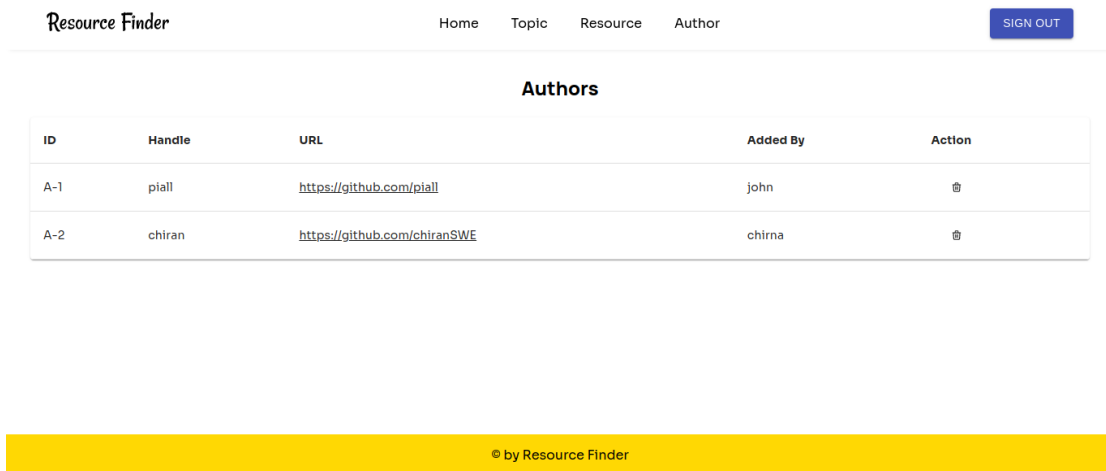
## 9.5 Author (User)

User can see all authors' statistics.



## 9.6 Author (Admin)

Admin can delete authors like resources and topics.



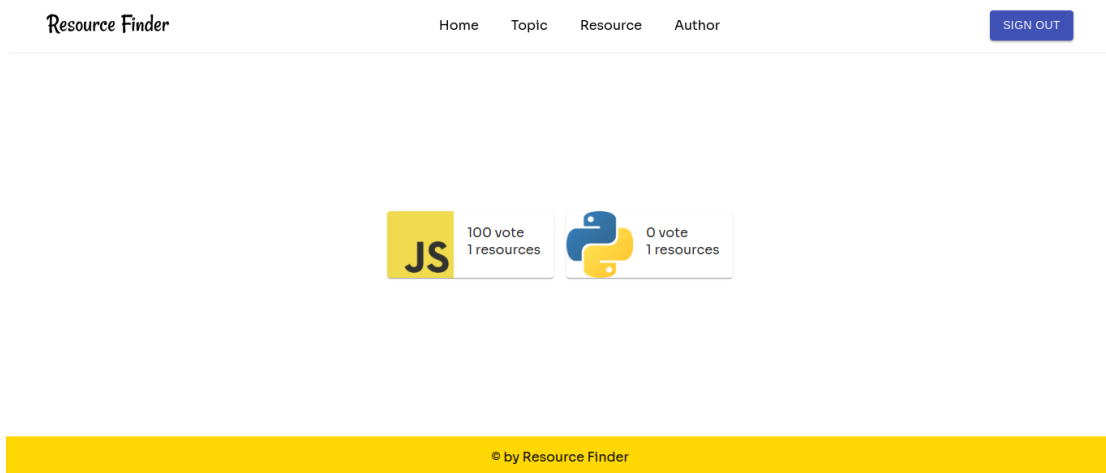
The screenshot shows the 'Resource Finder' Admin interface. The top navigation bar includes 'Home', 'Topic', 'Resource', and 'Author' links, along with a 'SIGN OUT' button. The main content area is titled 'Authors' and displays a table with the following data:

ID	Handle	URL	Added By	Action
A-1	piall	<a href="https://github.com/piall">https://github.com/piall</a>	john	
A-2	chiran	<a href="https://github.com/chiranSWE">https://github.com/chiranSWE</a>	chirna	

A yellow footer bar at the bottom contains the text '© by Resource Finder'.

## 9.7 Topic (User & Admin)

Both user and admin will see overview of available topics.

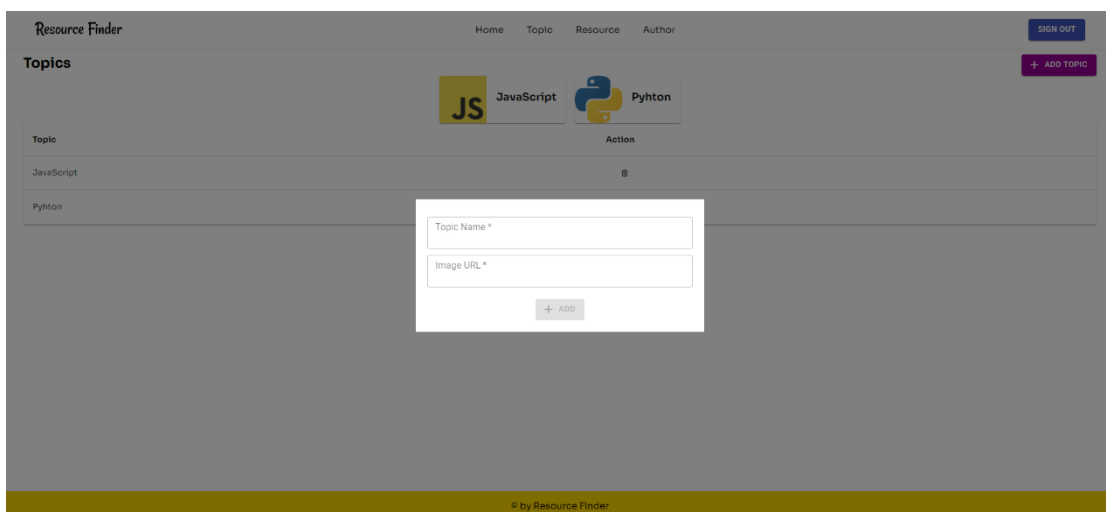


The screenshot shows the 'Resource Finder' User/Admin interface. The top navigation bar includes 'Home', 'Topic', 'Resource', and 'Author' links, along with a 'SIGN OUT' button. The main content area displays two topic cards:

- JS**: 100 vote, 1 resources
- Python**: 0 vote, 1 resources

A yellow footer bar at the bottom contains the text '© by Resource Finder'.

Admin can only add topic. To add topic have to give topic name and icon link. Without filling all information button will be disabled.

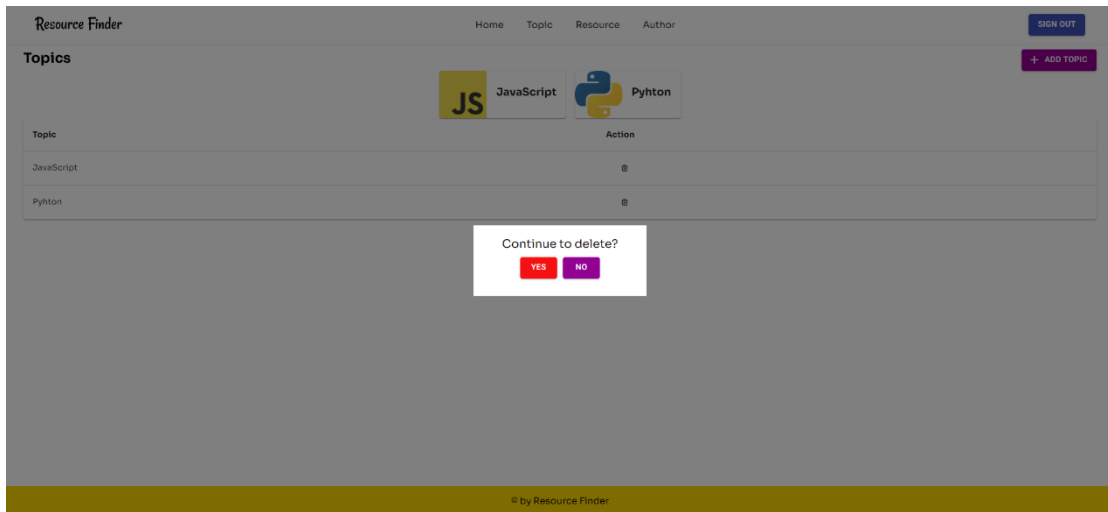


The screenshot shows the 'Resource Finder' Admin interface. The top navigation bar includes 'Home', 'Topic', 'Resource', and 'Author' links, along with a 'SIGN OUT' button. The main content area is titled 'Topics' and displays two topic cards: 'JavaScript' and 'Python'. A modal form is open for adding a new topic, with the following fields:

- Topic Name \*
- Image URL \*
- + ADD

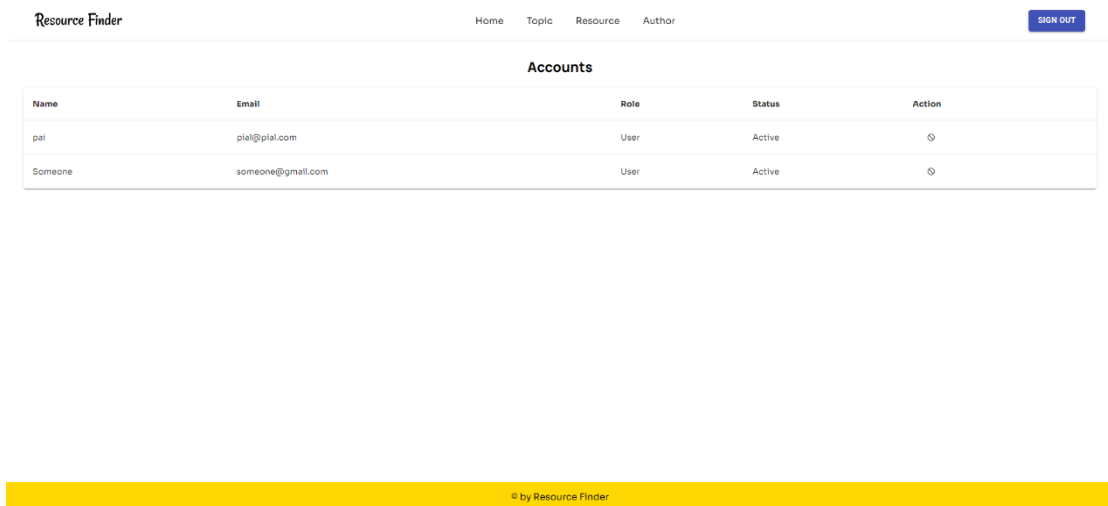
A purple '+ ADD TOPIC' button is visible in the top right corner. A yellow footer bar at the bottom contains the text '© by Resource Finder'.

Admin can only delete topic. To delete have to click on trash icon and have to click YES button on confirmation modal.

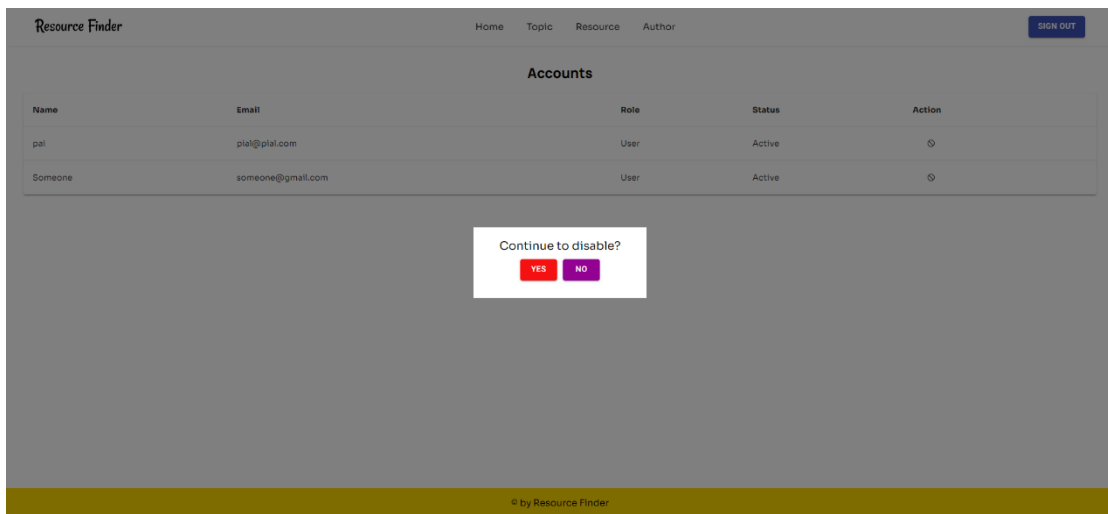


## 9.8 Account (Admin)

Admin can see all user account and their current status and also can manage.



Only admin can disable any user account by clicking stop icon. And have to click YES button to continue. After disabling any account it can't be reactivated again from the UI.



## **Chapter 6: Conclusion**

### **10.1 Limitations**

There are some limitations currently in this project. Searching can be done by better algorithm. Searching implemented in this project can be improved by using ML. User validation can be done by OTP message in phone number. Current user validation just checks email exists on the database or not. System can't understand user learning level by automatically and suggest automatically resources.

### **10.2 Obstacles**

Lots of obstacle came for the project. Currently this project is using MERN stack that means MongoDB, Express, React and Node.js. First challenge was to represent a non-relational database to form of ER diagram as it's made for relational database. Second challenge was there are three different layout. Routing them, making as much as reusable code was challenging at the beginning from that I have learned a lot. Also other internal and external challenges came for this project from time to time.

### **10.3 Future Scope**

Resource topic is very broad concept. In future it can be scaled to any kinds of learning topic it might be cooking or any kind of soft skill. User can preview the webpage or read or watch resources by staying the web app. Another type of account can be added beside user and admin which id moderator to not give whole access and also maintain the web app. ML algorithm can be used for giving better result. ML can be used also for detecting spam and user learning level based on users past searched history.