

Steps to run:

Follow these steps to set up and run the assignment. Make sure you have the required libraries and dependencies installed.

1. Install Node.js and npm:

Make sure you have Node.js and npm installed.

2. Navigate to the Project Work:

Change your working directory to your project workspace:

- `cd assignment-3`

3. Install Dependencies:

In your project workspace, install the required dependencies using:

- `npm install`

4. Google Translate and Text-to-Speech:

To use the text-to-speech/ translate function:

Remember to enable them in Google Cloud, and key in your key in the terminal using the following command:

- Linux or macOS: `export GOOGLE_APPLICATION_CREDENTIALS="/home/user/Downloads/service-account-file.json"`
- Windows: `$env:GOOGLE_APPLICATION_CREDENTIALS="C:\\Users\\username\\Downloads\\[FILE_NAME].json"`

5. Build the Angular Application:

Build your Angular application using the following command:

`ng build`

Then serve the application using the following:

`node server.js`

Your Angular app will start and should be accessible in a web browser at <http://localhost:8080/>.

Routing Table

Angular (Client-Side) Endpoints:		
Name	Endpoint	Purpose
Add a new category	/add-category	Add a new category
List categories	/list-categories	List categories
Delete a category	/delete-category	Delete a category
Display a specific category	/display-category/:catId	Display details of a specific category
Update a category	/update-category	Update a category
Statistics related to categories and events	/stats1	Statistics related to categories and events
Add a new event	/add-event	Add a new event
Invalid data-related functionality	/invalid-data	Invalid data-related functionality
List events	/list-events	List events
Delete an event	/delete-event	Delete an event
Update an event	/update-event	Update an event
Operations related to events	/operations	Operations related to events
Display specific event	/display-event/:eventId	Display specific events
**	**	redirect to page not found
Page Not Found	/page-not-found	404 errors
Invalid data-related functionality	/invalid-data	Redirect to invalid data page when wrong data entered

API (Server-Side) Endpoints:				
Name	Endpoint	Purpose	Handler	HTTP Method
Add a new category on the server	/add-category	Add a new category on the server	catCont.addCategory	POST
Get a list of categories from the server	/list-category	Get a list of categories from the server	catCont.listCategory	GET
Delete a category on the server by its ID	/delete-category/:catId	Delete a category on the server by its ID	catCont.deletingCategory	DELETE
Update a category on the server by its ID	/update-category/:catId	Update a category on the server by its ID	catCont.updateCategory	PUT
Get details of a specific category from the server	/display-category/:catId	Get details of a specific category from the server	catCont.displayCategory	GET
Get statistics related to events from the server	/stats1/events	Get statistics related to events from the server	statsCont.countEvents	GET
Get statistics related to categories from the server	/stats1/categories	Get statistics related to categories from the server	statsCont.countCategories	GET
Get details of a specific event from the server	/display-event/:eventId	Get details of a specific event from the server	eventCont.displayEvent	GET
Add a new event on the server	/add-event	Add a new event on the server	eventCont.insertEvent	POST
Get a list of events from the server	/events	Get a list of events from the server	eventCont.listEvents	GET
Delete an event on the server by its ID	/delete-event/:eventId	Delete an event on the server by its ID	eventCont.deleteEvent	DELETE
Update an event on the server by its ID	/update-event/:eventId	Update an event on the server by its ID	eventCont.updateEvent	PUT
Operations for adding	/add-count	Count number of add event/category done	oppCont.addCount	GET
Operations for deleting	/delete-count	Count number of delete /event done	oppCont.deleteCount	GET
Operations for counting	/update-count	Count number of update event/category done	oppCont.updateCount	GET

Sockets		
Name	Endpoint	Purpose
Translate words	/translation	Translate English to either Hindi, Tamil or Chinese
Speech-related functionality	/speech	Perform speech-related functionality