

VISA NAVIGATOR

Project Theme

You must create a user-friendly **Visa Navigator Portal** to simplify the process of checking visa requirements, applying for visas online, and tracking applications. This project must include a dynamic user interface, robust functionality, and seamless user experience.

Key Rules:

- **GitHub Commits:**
 - Include a minimum of 15 notable GitHub commits on the client side.
 - Include a minimum of 8 notable GitHub commits on the server side
- **Readme.md:** Add a meaningful readme.md file with the name of your website and a live site URL. Include a minimum of five bullet points to feature your website.
- **Responsiveness:** Make it responsive for all devices, including mobile, tablet, and desktop views.
- **Environment Variables:** Use the Environment variable to hide the Firebase config keys and MongoDB credentials.
- **Lorem Text:** Don't use any Lorem ipsum text; you can not use the default alert to show any error or success message.
- **Unique Design:** First, decide what kind of website you want to make. Then, search online or check out websites like ThemeForest to get ideas for the design. But remember, your website idea shouldn't be similar to any projects you've done before or to any examples in our modules or conceptual sessions.
- ★ You can also look for free resources on [blogs](#) to help with your website.
- **Host your Application:** You can choose deployment systems like Netlify, Surge, and Firebase for client-side hosting and vercel for server-side hosting. As you develop a single-page application

- Ensure that the page doesn't throw any error on reloading from any routes.
 - Add your domain for authorization to Firebase if you use Netlify / surge
 - Logged in User must not redirect to Login on reloading any private route
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Main Requirements:

data format:

- Country image.
- Country name.
- Visa_type.
- Processing_time.
- Required_documents. (It will be an array of strings which will contain all required document names such as "Valid passport", "Visa application form", "Recent passport-sized photograph" etc.)
- Description.
- Age_restriction.
- Fee.
- Validity.
- Application_method.

1. Layout Structure

Ensure that your design is creative and unique. Choose the type of website you wish to create first. Next, look for ideas for the design on the internet or by visiting sites such as ThemeForest. But keep in mind that your idea for a website should look different from any past projects of yours or any of the samples from our modules or conceptual sessions.

🔗 You can also look for free resources on blogs to help with your website.

[Free images and resources collection for website | by Chayti | Bootcamp | Medium](#)

2. **Navbar:** The navbar will contain the

- Website name/logo,
- Home,
- All visas,
- Add Visa(It will be a private/protected route.),
- My added visas(It will be a private/protected route.),
- My Visa applications(It will be a private/protected route.),
- “Login” and “Register”.

a. The “Login” and “Register” button is conditional, if the user is not logged in it will show the “Login” and “Register” Button. If a user clicks on “Login” it will redirect to the login page. If a user clicks on “Register” it will redirect to the Register page.

b. But If the user is logged in here you will show the user **photoURL**, when you hover over the **photoURL** it will show the displayName. And it will show the “Logout” button.

4. Authentication

tell them from where the user can land on the Login page. you can use this frame for this requirement below

User Login

User will show a Login page with a form, so that the user can Log in this application.

- Show a Title for Login. & Form with the following fields
(Email, Password, Forget Password, Login button)

If the user logs in successfully then

- navigate him to his desired Route / Home page.
- If not, show him an error with a toast/error message anywhere in the form.

There will be some other options like

- Show the user a Link for Register so that he can go to the register page.

- Show users a Social Login Button (Google only) . on Clicking it
 - user authenticates with Google
 - Navigate him to his desired Route / Home page.

User Registration

Create a register page with a form, so that the user can register himself in this application.

- Show a Title for registration and a Form with the following fields
(Name, Email, Photo-URL, Password & Register Button)

If the user registers successfully then

- navigate him to his desired Route / Home page.
- If not, show him an error with a toast/error message anywhere in the form.

Implement password validation

For password validation, you need to follow the below criteria. Show a password error in the form, and don't Register for an invalid password

- Must have an Uppercase letter in the password
- Must have a Lowercase letter in the password
- Length must be at least 6 character

There will be some other options like

- Show the user a Link for Login so that he can go to the Login page.
- Show users a Social Login Button (Google only) . on Clicking it
 - user authenticates with Google
 - Navigate the user to the Home page.

💡 Don't implement email verification or forget password method as it will inconvenience the examiner. If you want, you can add these after receiving the assignment result.

5. Home Page: The home page will have the following sections- Navbar, Banner/Slider, Latest visas section, 2 Extra Sections, and Footer.

🔗 Make sure to keep the navbar and footer on all the pages except the 404 page.

- **Banner:** Add a slider (you can use any type of slider/carousel) with a minimum of 3 slides and meaningful information
- **Latest visas section:** In this section at least 6 latest(newly added) visa cards. Each card will have:
 - Country.
 - Country image.
 - Visa_type.
 - Processing_time.
 - Fee.
 - Validity.
 - Application_method.
 - “See Details” button.

Clicking the “See Details” button will navigate the user to the visa details page.(see requirement 8)

Below this section there will be a button called “See all visas”. Clicking this button will take the user to the All visas page.

For showing 6 data you can use the limit operator of MongoDB

- **Extra Section:** Add 2 relevant and meaningful extra sections which are mentioned above on the Home page.

6. Add visa page: This will be a private/protected route. Create an Add visa page where there will be a form for the user to add a visa. The form will have:

- Country image. (you can upload the country image to imgbb and provide the image link here.)
- Country name.
- Visa_type. (dropdown. Options can be “Tourist visa”, “Student visa”, “Official visa” etc. You must choose at least 3 visa types.
- Processing_time.
- Required_documents. (Multiple options can be selected through checkboxes. Options can be “Valid passport”, “Visa application

form”, “Recent passport-sized photograph” etc.You must add at least 3 checkboxes here.)

- Description.
 - Age_restriction. (number field)
 - Fee. (number field)
 - Validity.
 - Application_method.
 - “Add visa” button
- When you fill in the data and click the “Add visa” button, this data will be stored in your database and you will show a success message through toast/sweet alert. Also this newly added visa will be shown on the “All visas” page.

7. All visas page: On this page, a user can see all the visas added by all users.Create a 4 column grid layout using cards. Each card will contain this information-

- a. 3-4 information about the visa
- b. “See Details” button – will redirect to the Visa details page.(see requirement 8)

8. Visa details page: private/protected route. Please make sure that if the user is not logged in, the private route redirects to the login page. On this page, you will show all the information you have stored in the database about the visa.

- Add a “Apply for the visa” button on this page.Clicking the “Apply for the visa” button will open a modal where the logged in user can submit their information through a form.The form will have several input fields-
 - Email (logged in users email)
 - FirstName
 - LastName
 - Applied date(current date)
 - Fee (visa fee)
 - “Apply” button.

On clicking the “Apply button” the data will be stored in the database and also this data will be shown on the “My visa applications” page (see requirement 10).

9. My added visas: It will be a private/protected route. On this page, a user can see all the visas that he/she has added to the database. Here a user can only see his/her added data, but he/she can not access other's data. Here you need to show the data in cards. Each card will contain this information-

- a. Country.
- b. Country image.
- c. Visa_type.
- d. Processing_time.
- e. Fee.
- f. Validity.
- g. Application_method.
- h. "Update" button.
- i. "Delete" button.
- Clicking the "Update" button will open a modal where all visa information will be shown in a form. User can change these information and submit the form. Upon submitting the form visa data will be updated in the database. Upon submitting the form the modal will also be closed..
- Clicking the "Delete" button will delete the visa data both from the "My added visas" page and database.

10. My visa applications: It will be a private/protected route. In this page the user will see all the visas that the logged in user applied for. Each card will contain this information-

- j. Country.
- k. Country image.
- l. Visa_type.
- m. Processing_time.
- n. Fee.
- o. Validity.
- p. Application_method.
- q. Applied_date.
- r. Applicant's name. (Combine Firstname and Lastname through a space)
- s. Applicant's email.
- t. "Cancel" button.

- Clicking the “Cancel” button will remove the application both from the database and “My visa applications” page.

🔗 For all the CRUD operations, show relevant toast/ notification/ sweet alert with a meaningful message

1. **Footer:** Create a reasonable and meaningful footer. (including website name, copyright, contact information, social media links)
2. **404 page:** Add a 404 page/Not Found Page
3. Show a loading spinner when the data is in a loading state.

Challenges

1. At the top of the “All visas” page, Add a dropdown menu where you will implement filter_functionality based on visa types.
2. Implement Search functionality on the “My visa applications” page based on the country name through an input field and a search button.
3. Implement a dark/light theme toggle for the home page.
4. Explore this package and implement at least 2-
 - a. [Lottie React](#)
 - b. [React-simple-typewriter](#)
 - c. [React Awesome reveal](#)
 - d. [React-tooltip](#)

What to submit:

- Github client Side-
<https://github.com/programming-hero-web-course2/b10-a10-client-side-imtiazahmadtanvir>
- Github server Side-
<https://github.com/programming-hero-web-course2/b10-a10-server-side-imtiazahmadtanvir>
- Live website link- <https://visa-navigator-client-67a8d.web.app/>