



User Manual

Installation and How to Use

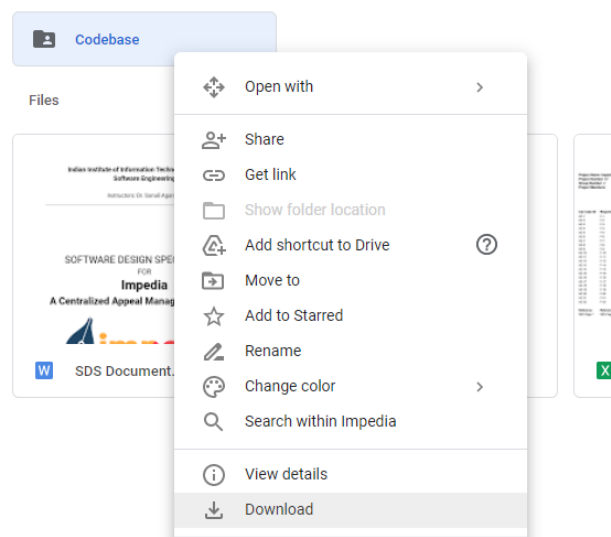
1. Installation

We have hosted our project online so the whole installation setup can be avoided unless you want to run the project locally. Here is the live link for the hosted project: [Impedia hosted online](#).

If you face any problem during installation, you can use this hosted version instead. Keep in mind it might take around a minute to load.

Here are the local installation steps just in case:

1. **Install Node.js and NPM** and check through a terminal if it's installed properly. You can use this guide: [How to Install Node.js and NPM on Windows](#)
2. **Download the project source code** from **Google Drive**. The Codebase has been uploaded to "4. Final Documents and Codebase" folder in this project folder. Here is the direct link: <https://drive.google.com/drive/folders/1REy1eRvzg9GYD18NTBT0Nb6J0wc9PmDT?usp=sharing>



3. Since the project has two parts - backend and frontend, you will need two terminal instances to run the separate parts - lets say **Terminal 1 for Backend**, and **Terminal 2 for Frontend**.
4. **Open Terminal 1** in the **project folder**, run the following commands:

```
cd backend  
npm install  
npm start
```

The *cd backend* command will change the terminal folder to the backend folder. The *npm install* command will take some time since it will download and install all required external dependencies for backend. Then *npm start* will start the server.

5. **Open Terminal 2** in the **project folder**, run the following commands:

```
cd frontend/impedia  
npm install  
npm start
```

The *cd frontend/impedia* command will change the terminal folder to the impedia folder inside the frontend folder. The *npm install* command will take some time since it will download and install all required external dependencies. Then *npm start* will start the frontend server, this may also take a lot of time since React takes time to load, wait patiently until it says compiled with warnings and produces a bunch of warnings, don't worry, there are no errors just compiler warnings.

6. Now you can open <http://localhost:3000/> in the browser, the website homepage should load.

Again, you can just skip all these steps if you face any errors and just directly use the deployed version: [Impedia on Heroku](#).

2. How to Use

Admin

1. Here are the Admin user details for logging in:

Email: admin@admin.com

Password: password

2. Now through the admin dashboard you can access all the admin use cases:
 - a. Add authority: You can add authorities by mentioning their email ids, they will be sent an invitation email mentioning their login details.
 - b. Set domain: Domain refers to the email domain under which the students can register. This domain is currently set to *iiita.ac.in* so only people with a IIITA email can register as students.
 - c. Make Groups: Admin can create groups of authorities for departments so that students can also make appeals or petitions directly to a department group instead of individual authorities.
 - d. Edit Groups: Change Name or Members of an Authority Group
 - e. Appeals: View all the appeals on the platform
 - f. Petitions: View all the petitions on the platform

Student

1. Scroll down on the homepage to find the student register button. Mention student details and register, you can only use emails under the domain set by the admin, this is currently set to *iiita.ac.in*

2. After registration, the student can now log in. You can skip the registration step and use this student account if you want:
Email: iit2019102@iiita.ac.in
Password: password
3. Now through the student dashboard you can use all the student use cases:
 - a. Update Profile: Update details of student
 - b. View Petitions: View all the public petitions created on the platform, you can comment on a petition or sign a petition.
 - c. View Appeals: View all the appeals created by you to any authorities, you can reply to any authority reply to your appeal.
 - d. Create Appeal: You can create an appeal to a particular authority or a group of authorities, the text editor supports markdown and html.
 - e. Create Petition: You can create a public petition to an authority or a group of authorities, the text editor supports markdown and html. The petition is public, any other student can open and sign the petition.

Authority

1. Authority can log in after the admin has added them. You can skip that step and use this authority account if you want:
Email: technology.shreyas@gmail.com
Password: password
2. Now through the authority dashboard you can use all the authority use cases:
 - a. Update Profile: Update details of authority
 - b. Petitions: See any petitions that are addressed to the authority or a group the authority is part of. The Authority

can comment on the petition and take a decision on the petition.

- c. Appeals: See any appeals that are addressed to the authority or a group the authority is part of. The Authority can comment on the appeal and have back and forth conversation with the student to come up with a solution.

Also, most events such as new petitions/appeals or new comments etc. trigger an email notification and relevant students or authorities get an email regarding the latest information.