**# converter Tools for Everyone**

**## 📌 Project Overview**

This project is developed and maintained by **\*\*Maha Mission Education and Career Council (NGO)\*\*** through learning projects on **\*\*ApnaGuru.in\*\***. It is proudly supported by **\*\*Apnasite IT Services Pvt. Ltd.\*\***, which provides: ✅ **\*\*Technical support\*\***\

✅ **\*\*Mentorship\*\***\

✅ **\*\*Deployment\*\***\

✅ **\*\*Ongoing maintenance\*\*** of these projects

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**## 🚀 Project Purpose**

The purpose of this project is to **\*\*enhance backend skills\*\*** of ApnaGuru students by giving them hands-on experience working on **\*\*live coding projects\*\*** in a **\*\*real-world IT environment\*\***. It allows them to contribute to an open-source repository and gain **\*\*industry-level exposure\*\***.

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**## 📂 Project Structure**

The repository is structured as follows:

```

📦converter-backend-assignments

 ┣ 📂 mini-projects

 ┃ ┣ 📂 [Developer\_Name]\_\_[assignmentnumber-tool-name]

 ┃ ┃ ┣ 📂 public  (Static assets like HTML, CSS, JS for the tool)

 ┃ ┃ ┣ 📜 index.js  (Mini-project's main Express.js application file)

 ┃ ┃ ┣ 📜 routes.js  (Defines all API routes for the mini-project)

 ┣ 📂 tools  (Contains assignment instructions in .docx format)

 ┣ 📜 user-assignments.xlsx  (Tracks assignments and their status)

 ┣ 📜 index.js  (Main Express.js app that integrates all mini-projects dynamically)

 ┣ 📜 routes.js  (Handles merging of all mini-projects' routes into main app)

 ┣ 📜 .env  (Stores environment variables, including ports)

 ┣ 📜 README.md  (Project documentation)

```

**### 🔖 \*\*Mini-Project Naming Convention\*\***

- The mini-project folder must be named as:\

**\*\*[Developer\\_Name]\\_\\_[assignmentnumber-tool-name]\*\***

- Example: If **\*\*Vilas Shetkar\*\*** is working on **\*\*01-age-calculator\*\***, the folder name should be:\

**\*\*Vilas\\_Shetkar\\_\\_01-age-calculator\*\***

- If the naming convention is not followed, **\*\*the assignment will be rejected.\*\***

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**## 📜 How to Run a Mini-Project**

**### \*\*Step 1: Clone the Repository\*\***

```sh

 git clone https://github.com/Apnasite/converter-backend-assignments.git

 cd converter-backend-assignments

```

**### \*\*Step 2: Install Dependencies\*\***

```sh

npm install

```

**### \*\*Step 3: Run a Mini-Project\*\***

```sh

cd mini-projects/[Developer\_Name]\_\_[assignmentnumber-tool-name]

node index.js

```

> The application will run on the port specified in the **\*\*.env\*\*** file.

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**## 📤 How to Submit an Assignment on GitHub**

**### \*\*Step 1: Fork the Repository\*\***

- Go to [**\*\*GitHub Repo\*\***](https://github.com/Apnasite/converter-backend-assignments.git)

- Click **\*\*Fork\*\*** (top-right corner)

- Clone your forked repository:

```sh

git clone https://github.com/YOUR\_GITHUB\_USERNAME/converter-backend-assignments.git

```

**### \*\*Step 2: Create Your Mini-Project Folder\*\***

- Inside `mini-projects/`, create your folder using the **\*\*correct naming convention\*\***.

- Add your project files (index.js, routes.js, public folder, etc.).

**### \*\*Step 3: Commit & Push Your Code\*\***

```sh

git add .

git commit -m "Added [Developer\_Name]\_\_[assignmentnumber-tool-name]"

git push origin main

```

**### \*\*Step 4: Create a Pull Request\*\***

- Go to the original repo: [**\*\*GitHub Repo\*\***](https://github.com/Apnasite/converter-backend-assignments.git)

- Click **\*\*New Pull Request\*\***

- Select your forked repository & branch

- Add a **\*\*title & description\*\*** (e.g., "Assignment Submission - [Developer\\_Name]\\_\\_[assignmentnumber-tool-name]")

- Click **\*\*Create Pull Request\*\***

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**## 🌍 Main Project Deployment Steps**

**### \*\*Step 1: Clone the Repo on Server\*\***

```sh

git clone https://github.com/Apnasite/converter-backend-assignments.git

cd converter-backend-assignments

```

**### \*\*Step 2: Install Dependencies\*\***

```sh

npm install

```

**### \*\*Step 3: Set Up Environment Variables\*\***

Create a `.env` file and configure:

```

PORT=3000

NODE\_ENV=production

```

**### \*\*Step 4: Start the Application\*\***

```sh

node index.js

```

> The main project will aggregate all mini-projects dynamically and serve them.

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**### \*\*✅ Assignment Tracking\*\***

All assignments are tracked in `user-assignments.xlsx`. Each student's progress is categorized as:

- **\*\*New\*\***: Assignment not yet taken.

- **\*\*Assigned\*\***: Assigned to a user.

- **\*\*Reassigned\*\***: Reassigned due to rejection or changes.

- **\*\*Completed\*\***: Fully implemented and working.

- **\*\*Published\*\***: Merged into the main project.

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**## 🎯 Conclusion**

This project is an opportunity for students to **\*\*learn backend development\*\***, **\*\*integrate APIs\*\***, and **\*\*gain real-world experience\*\***. Follow the instructions carefully and **\*\*submit your mini-projects correctly\*\***. 🚀

Happy coding! 🎉