**REPORT – Made2Automate**

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**Video Demo**: <https://drive.google.com/file/d/1a9Y8teplrOJiTja6yvi-TrOdP8SMytBH/view?usp=sharing>

**Github**: <https://github.com/nikhilsharma26500/made2automate-assessement>

**Instructions**:

Frontend: ***npm run dev*** (from root directory – after installing all the nodes\_module files with ***npm i***)

Backend: check out all the dependencies in **server/requirements.txt** file then in server folder run using ***uvicorn main:app --reload*** while being in server folder

**Details**:

So, I have been able to build the frontend and backend but due to my obligations on 14th December I was not able to devote as much time as I would’ve wanted to but I made sure to come up with the best work in spite of time constraints.

I have added the automation part by adding dummy data taken from Made2Automates website and kept it in JSON structure to imitate the output that we would be getting from the backend.

**Backend**: I have given a lot of attention to the backend. I have made it in MySQL as I believe SQL is a more structured database to work with and has hosted it on TiDB. You may go with MySQL workbench and test the database. I have also tested each function that I have created in order to make sure that there is no errors in functions that manipulate the backend. Database itself is built using SQLAlchemy which is an ORM that simplifies making of tables and SQL injections into the database. The server is built with FastAPI as it is very light weight and comes with in-built Swagger UI implementation so I do not need a third part application like Postman to test my server.

**Frontend**: I have built the frontend using NextJS with TypeScript using the latest app route structure in order to make routing easy and more structured. I have used Tailwind CSS for styling as well.

**Tools**:

* Github Co-pilot
* Google
* NextJS documentation
* Flowbrite
* WikiTechie
* ChatpGPT with GPT-4

**Problems:**

Issue: npm folder could not be found.

Solution: Solved with a blog on Google.

Reference: <https://www.wikitechy.com/errors-and-fixes/node-js/node-js-windows-error-enoent-stat-c-users-rt-app-data-roaming-npm>

Issue: pip not installed

Solution: Solved with GPT-4.

Task: Hosted database on TiDB for ease of use.

Issue: Forgot about app routes and how to use them in Next.js

Solution: Solved it by going through Vercel tutorials.

Task: Utilized FlowBrite to get Tailwind components and then modified them to fit my needs.