

## **LetterBuddy: User Guide**

Our system is deployed on Render, and thus you can check it out here(if it is suspended to avoid wasting resources, you may email [letterbuddy1@gmail.com](mailto:letterbuddy1@gmail.com) to request unsuspension) <https://letterbuddy-front.onrender.com/>

Note that our backend and frontend are both on **different repositories**, and thus have to be cloned separately.

You may also run our system **locally**. To do so, **please follow the guidance here or in the ReadMe of each repository:**

**For the backend:**

**[LetterBuddy's Backend Repository](#)**

We have made sure it runs smoothly using **Python Version 3.9.10**

### **1. Clone the Repository**

Run the following command in your terminal to clone the repository:  
git clone https://github.com/LetterBuddy/letterbuddy-backend.git

**2. Make sure you have an .env file in the same folder that was cloned, that contains important secret keys and API keys(sent in the final submission):**

**SECRET\_KEY, DATABASE\_URL, JWT\_SECRET\_KEY,  
CLOUDINARY\_URL, GROQ\_API\_KEY, AZURE\_TOKEN(GitHub  
token with GitHub models read access)**

**3. Install requirements(preferably on a virtual environment of Python)**

Run this command to install the requirements:  
pip install -r requirements.txt

#### 4. Run the server locally:

Run this command:

```
python manage.py runserver
```

**-To run the automation unit tests for the backend via the terminal:**

```
python manage.py test --keepdb
```

**For the frontend:**

#### LetterBuddy's Frontend Repository

##### 1. Clone the Repository

Run the following command in your terminal to clone the repository:

```
git clone https://github.com/LetterBuddy/LetterBuddy-front.git
```

**2. Install Dependencies:** npm install

**3. Run the App:** npm run dev

**-To run the automation E2E from the frontend via the terminal:**

Note: both the backend and frontend should be running.

Run 'npx cypress open'

click on 'E2E Testing' -> choose a browser -> choose the test flow

**-To run the automation unit tests for the frontend via the terminal:**

Run 'npx vitest'

When **both the backend and the frontend are running**, head over to this URL and start learning <http://localhost:5173/>