

User Manual

Project Title:	Infer-Read
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Developer Installation

Prerequisites

- Python 3.11
- Node
- PC to run the backend and frontend application
-

Frontend

1. Clone the project, cd into the repo, then cd into src/infer-read-frontend directory.
2. Run “npm install”
3. Run ‘ng serve’

```
mcqui@DESKTOP-CT4M6NS MINGW64 ~/Documents/College Work/YEAR 4/FYP/repo/src/infer-read-frontend (8_IR-86)
$ ng serve
⚡ Generating browser application bundles (phase: setup)...
```

4. Frontend should now be running locally.

Node.js Server

1. From the cloned repo, cd into src/infer-read-backend
2. Run “npm install”
3. Run “npm start”

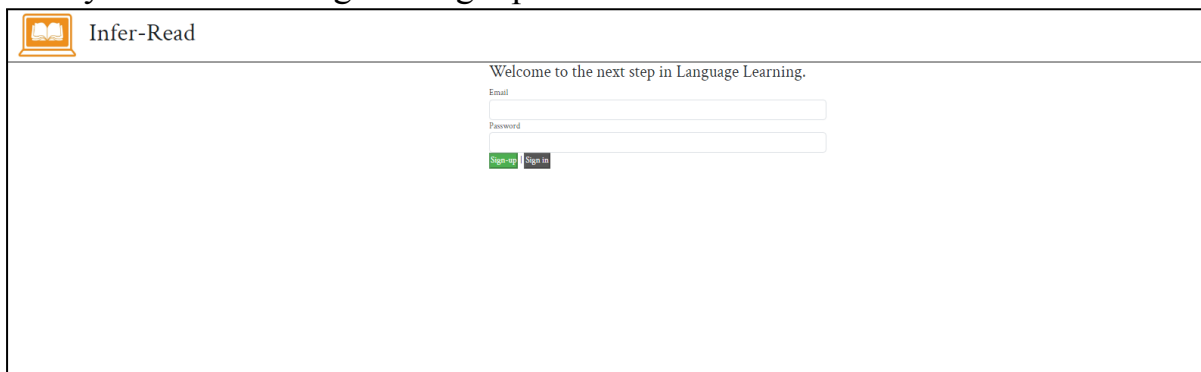
FastAPI Server

1. Requires MONGODB_URL environment variable
2. From the cloned repo, cd into src/ocr/nlp
3. Run “pip3 install -r requirements.txt”
4. Run “uvicorn main:app”

User Guide & Usage

1. Login Screen

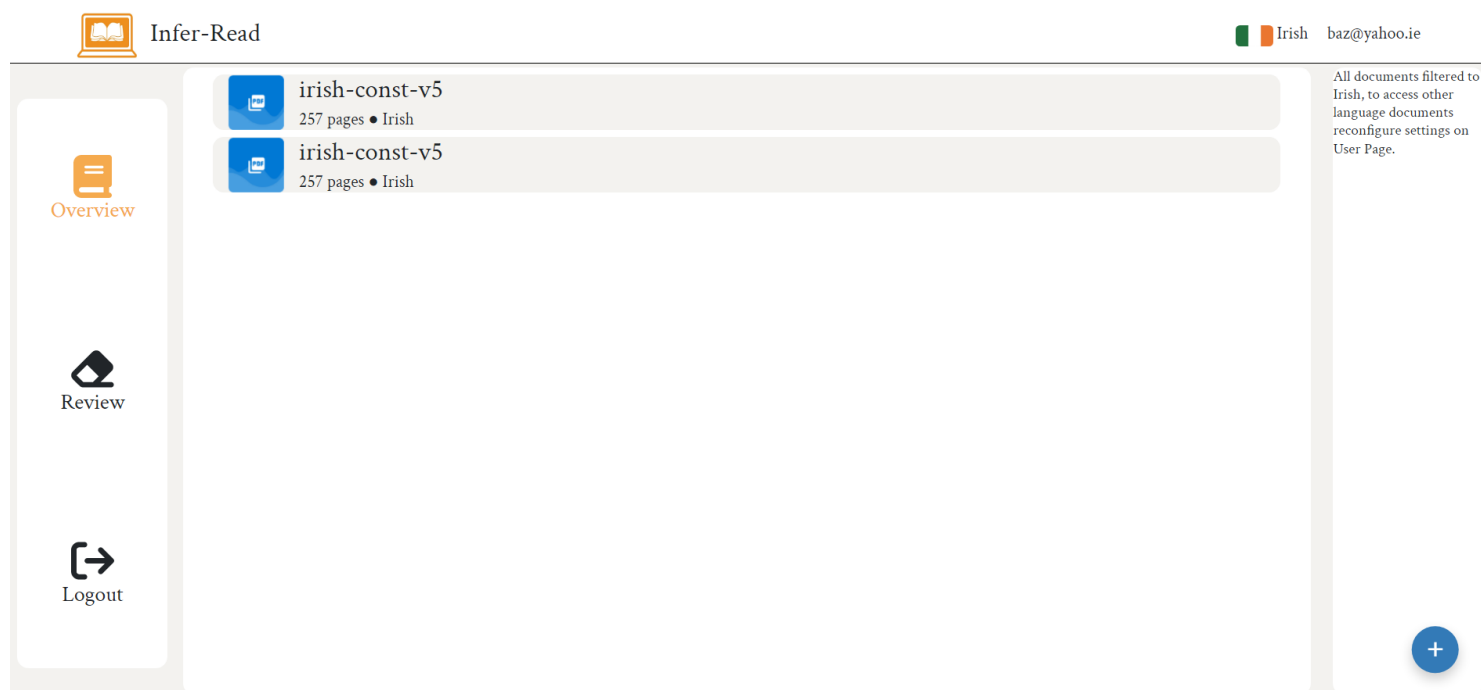
When you land on the web application, you'll be greeted with a login page. Here you can either login or signup.



2. Overview Screen

After logging in, you will be redirected to the overview page. This is the point of access to all previously uploaded documents, and where you can upload new documents. You can also delete documents.

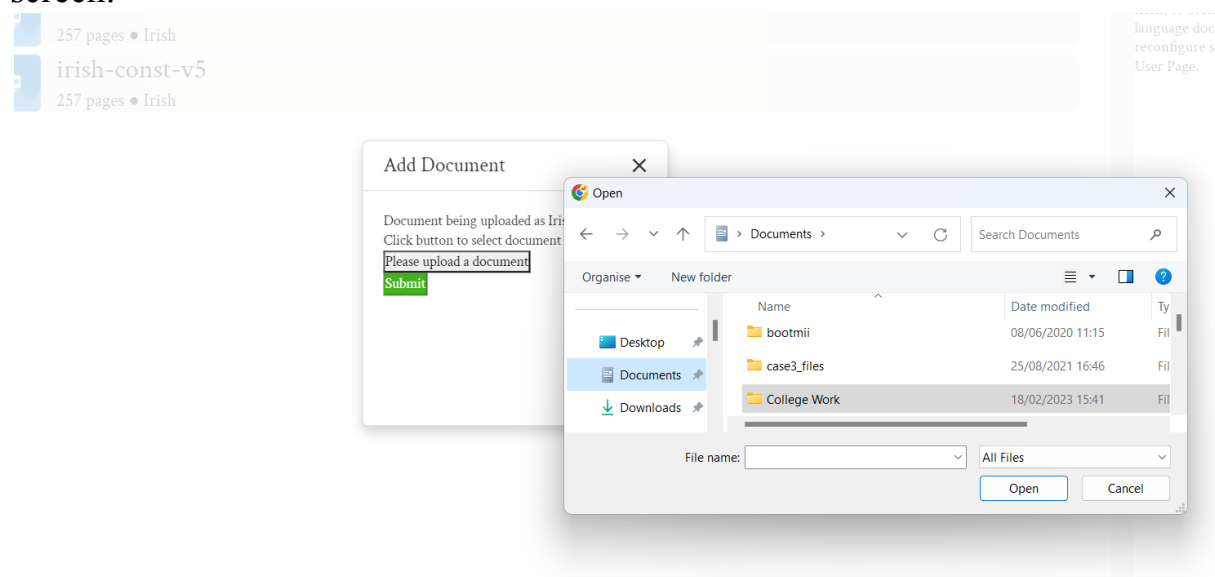
You can access this screen again by clicking on Overview on the navbar.



You can read a document by double clicking on a document that is present, which routes you to the reading screen.

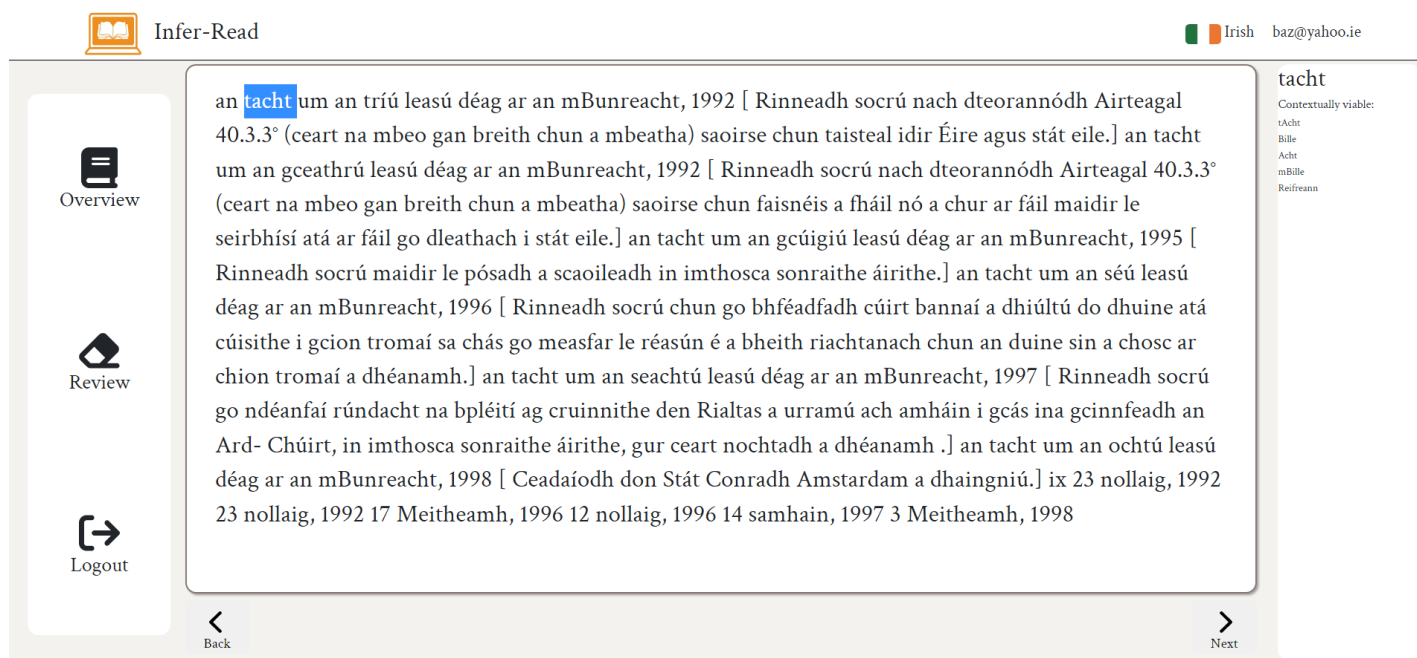
From here, you can upload documents by accessing the floating action button at the bottom right. Deletion is also handled here.

Adding a document will bring up the following popover within the overview screen:



2. Reading Screen

After double clicking on a document, you are brought to the reading screen. Document data is displayed as well as navigation to the next and previous page.



By doubling clicking on a word, words that are contextually viable appear on the right side of the text. This is to provide similar words to the user to build a reference within the same language rather than translating.

3. Review Screen

Hitting a review on the navbar will redirect you to the review screen, this is where you can revise words in your wordbank. Words that are encountered are saved here for future reference.

