

Application Purpose:

The primary purpose of the application is to improve the completion rate of the courses offered by MOOC platforms. By understanding the completion patterns of individual users, MOOC platforms can tailor interventions and support mechanisms to address specific barriers to completion faced by different learners. This personalized approach enhances user engagement, motivation, and overall satisfaction with the learning experience, ultimately leading to higher completion rates and improved outcomes for both learners and the platform. The primary objective is to investigate how such dynamic formats, coupled with strategically placed knowledge checkpoints, can enhance the learning experience for individual users.

Audience:

Individuals seeking to enhance their learning and improve their course completion rate for online MOOC platforms.

Key Features:

- Interactive mode
- Feedback
- Login/Signup
- Rewards
- Course offerings
- Course Detail View

Setup Instructions:

Step 1: Git clone <https://github.com/KevinChittilapilly/Final-Project-Yourdemy.git>

Step 2: Front-end setup:

- Navigate to the path `\frontend\yourdemy` in the clone repo using the command
`>> cd frontend`

```
>> cd yourdemy
```

- Run 'npm install' to install the required packages
- Run 'npm start' to start the front-end of the application

Step 3: Back-end setup:

Installations should be done as per the requirements.txt file. For setting up and running the django db backend server

```
>> cd backend
```

- pip install -r requirements.txt
- python manage.py makemigrations
- python manage.py migrate
- python manage.py runserver

Main Features:

- It starts with the user signup, while signing up we provide the option to the user whether they want the interactive mode to be 'ON' or 'OFF' with a toggle switch. We provided the context of interactive mode then and there using the tooltip.
- We save the interactive mode information with the user profile to open the app layout according to the user's preference.
- Next time, when the user logs in, they will see the interactive mode on (if selected). According to the research articles, we have selected some of the predefined video chunk lengths and quiz locations.
- Based on the user's choice, the course will incorporate those changes. It will take a pause at the selected video chunk length and ask whether you want to continue or take a break. This way, the user will be focused according to their attention span and consume the course better.
- Based on the user's choice for quiz placement, the quiz will be shown, end of lecture, end of section or end of course. It will make the user understand whether they are consuming the content well, if not, they can start over with the lecture again.
- Unauthorized users are unable to access the course, feedback, rewards page and interactive mode.

- We have created a scalable system where a huge number of courses can be added, and any number of sections and lectures can be accommodated in each course. It is scalable in terms of active users and registered users as well.