

Youtube as a learning tool to improve students' speaking skills

Overall purpose, intended audience and key functionalities

Milestone-3: The overall purpose of this web app is use Youtube as a learning tool to improve/ learn spoken English. This app is intended to be used by video creators as well as users. The video creators and users can edit and add items(videos) to existing array, these two actions are password protected and needs the user to login. The user can also view the whole list of videos available (curated English content/ courses/ exercises). The user can chat with a chatbot if needed.

Milestone-4: All the functionalities of Milestone-3 with addition to a "Translator" to help users translate between English and other languages in the "home view"

Views and Templates

Home view: where the overall purpose of this site is explained and now it has the "Translator"

List view: where a listing of all the videos is shown and now also where user can vote or add comments to a video.

Detail view: where details for one video are retrieved and shown, now with a lot of rows.

Add view: where a user adds a new item, to add more data. This view is accessible only if the user is logged in.

Edit view: where a user sees an editable view of an item and can make changes to data. This view is accessible only if the user is logged in.

Credentials for user login

Username: demo_user

Password: demo_password

Example Users Process:

- Download the Project from git hub
- cd Desktop\WEB_TECH\simple-django-app-main\simple-django-app-main\cool_counters (I have used VS Code cd "copy file path from your PC")
- python manage.py makemigrations
- python manage.py migrate
- python manage.py runserver
- my code runs at hosted URL: <http://127.0.0.1:8000/CNIT581-048-Milestone3>
- The home view opens-> One can translate any words or sentences using the "Translator" between English and other languages or left bottom of page use can click on "video list" or "Chat with Chatbot"

- The Video List -> List of Videos where each video has a “View/ Edit” option and user can “vote” or add “comments” for a video. Once can “Add Item” at bottom left or go “Back to Home page”
- The Edit page-> requires Username and Password one can change name and description of course.
- The Add Item page-> where one can add an item with name and description details given that one is logged in using Username and Password.
- By clicking “Chat with Chatbot” in home page one can chat with a chatbot regarding their queries.

Home View:





Welcome to the "Spoken English" Learning Tool

Addressing the Challenge of Using YouTube to Improve Students' Speaking Skills

Challenge Description

The use of YouTube as a learning tool to improve students' speaking skills is a critical challenge in modern education. While YouTube offers a wealth of educational content, harnessing its potential to enhance speaking skills faces several urgent issues. Firstly, research indicates that traditional classroom settings often fail to adequately develop students' speaking skills, impacting their overall learning productivity. Secondly, the COVID-19 pandemic has accelerated the shift to online and remote learning, making digital platforms like YouTube essential for education, yet underscoring the digital divide. This divide jeopardizes the mental well-being of students who lack access to quality resources. Furthermore, marginalized demographic groups face disparities in access and quality of educational content on YouTube, perpetuating existing inequalities.

Stakeholders Identification

- Students: Students are directly affected by this problem. Their pain points include limited access to quality speaking skill resources, isolation due to the digital divide, and unequal opportunities for skill development.
- Educators: Teachers and educators face challenges in finding effective digital tools to enhance speaking skills. They struggle with the need to adapt to online teaching and the lack of standardized resources.
- Parents: Parents are stakeholders as they play a role in facilitating access to digital tools. Their pain points include concerns about the quality of online content and its impact on their children's education.

Proposed Solution

Our proposed solution involves the development of a comprehensive YouTube-based educational platform specifically designed to improve students' speaking skills. This platform would feature curated content, interactive lessons, and teacher-led assessments. It will provide structured speaking exercises, language practice, and feedback mechanisms to enhance speaking proficiency. Additionally, partnerships with educational institutions can ensure that students have equitable access to these resources.

Expected Outcomes

- Improved Speaking Skills: Implementing the proposed solution is expected to lead to noticeable improvements in students' speaking skills, thereby positively impacting their overall learning productivity.
- Reduced Digital Divide: By partnering with educational institutions and providing access to underserved students, the project aims to reduce the digital divide, enhancing the mental well-being of students who previously lacked access to quality resources.
- Enhanced Educational Equity: The project's focus on marginalized demographic groups will address existing disparities and contribute to greater educational equity, thereby reducing marginalization within certain demographic groups.

In summary, addressing the challenge of using YouTube as a learning tool to improve students' speaking skills is crucial for enhancing educational outcomes, reducing inequalities, and ensuring that all students have access to the tools they need for success in the digital age.

Language Translation

Text to Translate:

Target Language:

[Video List](#)

[Chat with the Chatbot](#)

Video List:



Video List

- Spoken English Made Easy - Beginner to Advanced Speaking Course - Votes: 3 - Comments: 2 [View](#) | [Edit](#)

Comments:

- 30 minutes with Basic English Conversations - English speaking conversations - Votes: 2 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Learn English Basics level1 - Course to learn spoken English from scratch in 30 days - Votes: 3 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Learn English Basics level2 - Course to learn spoken English intermediate. Pre-requisite "Learn English Basics level1" - Votes: 4 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Learn English Basics level3 - Course to learn spoken English intermediate. Pre-requisite "Learn English Basics level2" - Votes: 2 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Learn English Basics level4 - Course to learn spoken English intermediate. Pre-requisite "Learn English Basics level3" - Votes: 1 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Learn English Basics level5 - Course to learn spoken English advanced. Pre-requisite "Learn English Basics level4" - Votes: 3 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Learn English Basics level6 - Course to learn spoken English advanced. Pre-requisite "Learn English Basics level5" - Votes: 1 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Item0 - Description0 - Votes: 0 - Comments: 0 [View](#) | [Edit](#)

Comments:

- Item1 - Description1 - Votes: 1 - Comments: 1 [View](#) | [Edit](#)

Comments:

- Item2 - Description2 - Votes: 2 - Comments: 2 [View](#) | [Edit](#)

Comments:

- Item3 - Description3 - Votes: 3 - Comments: 3 [View](#) | [Edit](#)

Comments:

- Item4 - Description4 - Votes: 4 - Comments: 4 [View](#) | [Edit](#)

More data available upto 58 rows !!!!

Item Detail:

 

Video Detail

Name: Spoken English Made Easy

Description: Beginner to Advanced Speaking Course

[Back to Video List](#)

[Back to Home Page](#)

Edit Video:

 

Edit Video

Username:

Password:

Name:

Description:

[Back to Video List](#)

[Back to Home Page](#)

Add Video:

 

Add Video

Username:

Password:

Name:

Description:

[Back to Item List](#)

[Back to Home Page](#)

ChatBot:

 

Chatbot

Chatbot: Hello! How can I assist you today?

User:

User Message:

[Back to Home Page](#)

Snap of database db.sqlite3

SQLiteStudio (3.4.4) - [counter_iteminfo (db)]

Database Structure View Tools Help

Databases

Filter by name

- db (SQLite 3)
 - Tables (13)
 - auth_group
 - auth_group_permissions
 - auth_permission
 - auth_user
 - auth_user_groups
 - auth_user_user_permissions
 - counter_comment
 - counter_counter
 - counter_iteminfo
 - Columns (5)
 - Indexes
 - Triggers
 - django_admin_log
 - django_content_type
 - django_migrations
 - django_session
 - Views

Structure Data Constraints Indexes Triggers DDL

Grid view Form view

Filter data Total rows loaded: 58

	id	name	description	comments	votes
1	10	Spoken English Made Easy	Beginner to Advanced Speaking Course	2	3
2	11	30 minutes with Basic English Conversations	English speaking conversations	0	2
3	12	Learn English Basics level1	Course to learn spoken English from scratch in 30 days	0	3
4	13	Learn English Basics level2	Course to learn spoken English intermediate. Pre-requisite "Learn English Basics level1"	0	4
5	14	Learn English Basics level3	Course to learn spoken English intermediate. Pre-requisite "Learn English Basics level2"	0	2
6	15	Learn English Basics level4	Course to learn spoken English intermediate. Pre-requisite "Learn English Basics level3"	0	1
7	16	Learn English Basics level5	Course to learn spoken English advanced. Pre-requisite "Learn English Basics level4"	0	3
8	17	Learn English Basics level6	Course to learn spoken English advanced. Pre-requisite "Learn English Basics level5"	0	1
9	18	Item0	Description0	0	0
10	19	Item1	Description1	1	1
11	20	Item2	Description2	2	2
12	21	Item3	Description3	3	3
13	22	Item4	Description4	4	4
14	23	Item5	Description5	5	5
15	24	Item6	Description6	6	6
16	25	Item7	Description7	7	7
17	26	Item8	Description8	8	8

Status

[00:43:44] Database passed in command line parameters (C:\Users\91998\Desktop\db.sqlite3) has been temporarily added to the list under name: db

counter_iteminfo (db)

-4°C Mostly sunny

03:44 29-11-2023