DASS TEAM 53

Whatsapp Inshorts

OVERVIEW

The project is to create a service where users can subscribe to read NEWS headlines from different newspapers, automatically get the videos generated, is a whatsapp number on a fixed time everyday.

We developed a web app for user to subscribe newspapers from which he wants news from, to select the avatar, language and voice of his choice for the video, and to select the time at which the video is sent to WhatsApp.
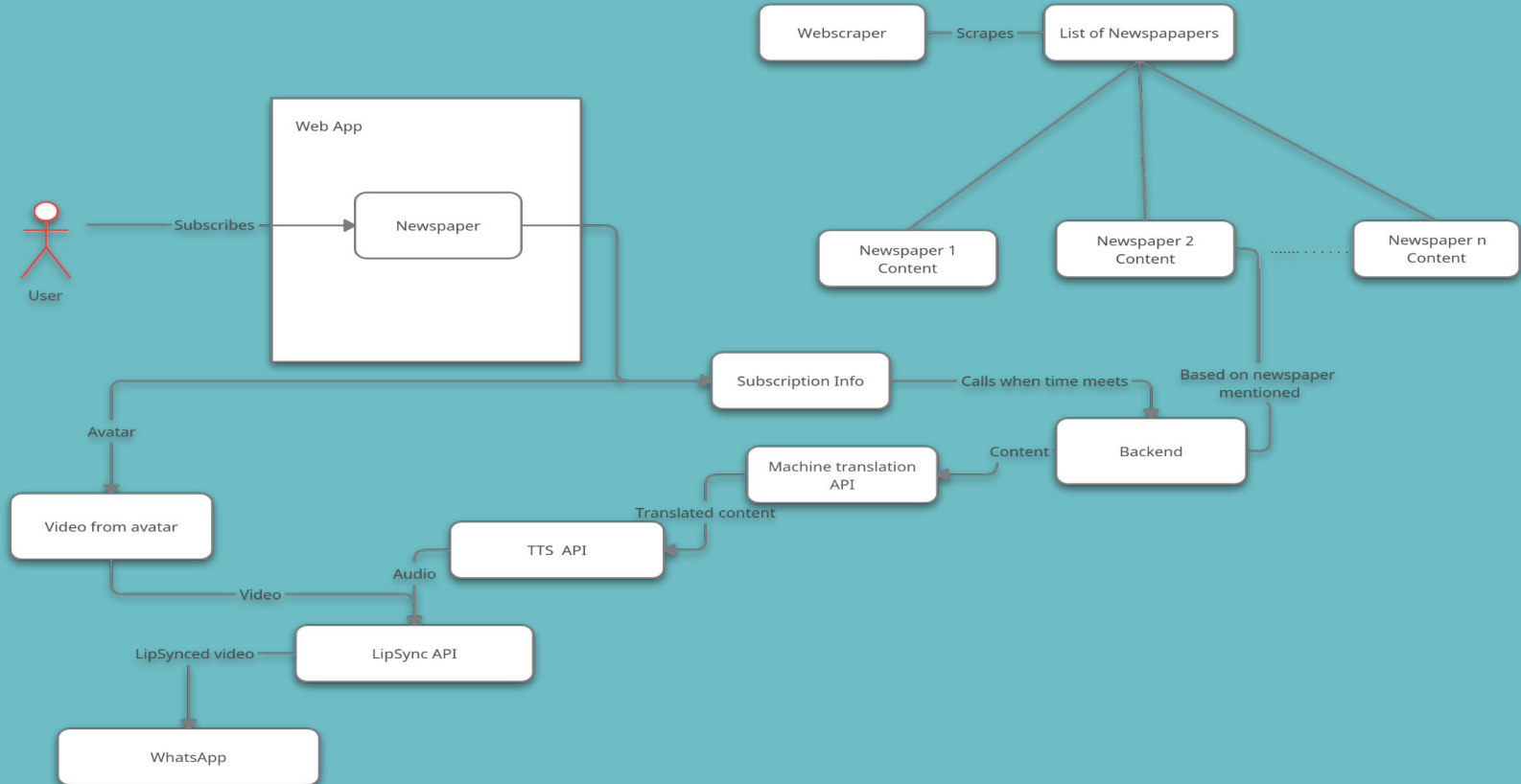
MOTIVATION

Our users are usually busy in the morning and want a quick and easy way to get to know the news headlines. They may be business people, entrepreneurs, offices, etc. They should have basic knowledge of browsing the stuff to easily subscribe to the newspapers they want to read and avatar they want to hear the news from.

FLOW OF THE SYSTEM

TECH STACK DETAILS

- For the web app, we used MERN Stack, with GraphQL in the backend. For uploading and retrieving images, we used AWS S3.
- We use Python to make calls for IIIT APIs.

TIMELINE

Sprint-1	• We did a requirements Gathering and analysis of our project. • Researched limitations of video characteristics.
Sprint-2	• Making of Software Requirements Specification (SRS) and Project Plan. • Worked on creating wireframes and backend boiler code.
Sprint-3	• Completed wireframes and backend boiler code. • We decided to use GraphQL in the backend and started working on the frontend.

TIMELINE

Sprint-4	- Accepted wireframes. - Worked on the frontend, web scraping, and IIIT APIs.
Sprint-5	- Completed web scraping, communication between translation and lip-sync APIs, and frontend except uploading part. - We started working on backend and communication with TTS API.
Sprint-6	- Completed the backend integration of frontend, and automation of the use of APIs - Worked on cronjobs to schedule running of Python scripts.

TIMELINE

Sprint-7	• Deployed the backend in AWS EC2 and frontend in AWS S3. • Completed documenting the project and automation using cron jobs to schedule the running of Python scripts.

HOW WE TESTED OUR APPLICATION?

- We tested each test case that we mentioned in the project testing plan document.
- We tested the test cases manually.
- For example, the test case is "User can Subscribe a Newspaper," We tested manually by submitting all the required fields in the subscribing page in the web app and verified that the subscribed newspaper is adding to the list of his subscribed newspapers.
- Like this, we tested for all test cases.

COMPLETED TASKS

Left Panel

Open 7   **Closed 52**   All 59

Recent searches ⌄   Search or filter results...

UpdatingAvatarForSubscribingNewspapers:ClickingOnAvatar:DisplayingSubscribedNewspapersInaGrid
#50 · created 1 month ago by Ashwin Mittal   🕐 Sprint-4   R1 frontend react-app

ConfigurationsofUser:ChoosingTags:Displaying selected tags below dropdown
#53 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-4   R1 frontend

ConfigurationsofUser:ChoosingTags:deleting the tags when pressed on delete button
#54 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-5   R1 frontend

UpdatingAvatarForSubscribingNewspapers:ClickingOnAvatar:MakingCheckboxes
#51 · created 1 month ago by Ashwin Mittal   🕐 Sprint-4   R1 frontend react-app

UpdatingAvatarForSubscribingNewspapers:PopularAvatars:Displaying avatars in grid
#47 · created 1 month ago by Ashwin Mittal   🕐 Sprint-4   R1 frontend react-app

SubscibingNewspaper:AllNewspapers:DisplayingAllNewspapersInAGrid
#32 · created 1 month ago by Ashwin Mittal   🕐 Sprint-4   R1 frontend react-app

ConfigurationsofUser:ChoosingAvatar:displaying the selected Image
#33 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-4   R1 frontend

SubscibingNewspaper:PopularNewspapers:DisplayingAllNewspapersinaGrid in dashboard
#34 · created 1 month ago by Ashwin Mittal   🕐 Sprint-4   R1 frontend react-app

ConfigurationsofUser:uploadingAvatar:adding upload component in frontend
#35 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-5   R1 frontend

ConfigurationsofUser:uploadingAvatar:Showing the uploaded avatar in all avatars for the uploaded user
#42 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-5   R1 frontend

SubscibingNewspaper:AllNewspapers:Search functionality based on name
#43 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-5   R1 frontend

Right Panel

UpdatingAvatarForSubscribingNewspapers:AllAvatars:SearchFunctionality
#44 · created 1 month ago by Ashwin Mittal   🕐 Sprint-5   R1 frontend react-app

UpdatingAvatarForSubscribingNewspapers:AllAvatars:Displaying avatars in grid
#45 · created 1 month ago by Ashwin Mittal   🕐 Sprint-4   R1 frontend react-app

CreatingVideos:ProcessingOfText
#21 · created 2 months ago by Ashwin Mittal   R2 backend

CreatingVideos:ProcessingOfLanguage
#24 · created 2 months ago by Ashwin Mittal   R2 backend

CreatingVideos:ProcessingOfAvatar
#22 · created 2 months ago by Ashwin Mittal   R2 backend

CreatingVideos:ProcessingOfVoice
#23 · created 2 months ago by Ashwin Mittal   R2 backend

Authentication:Register:Verification
#8 · created 2 months ago by Sree Harsha Reddy N V   🕐 Sprint-6   R2 backend

ProcessingNews:SendingNewsContentToDifferentEndpoints:SettingUptheAPIsandSendingtheContent
#16 · created 2 months ago by Sree Harsha Reddy N V   🕐 Sprint-5   R1 backend

ConfigurationsofUser:ChoosingTags:create a dropdown to select tags
#27 · created 1 month ago by Sree Harsha Reddy N V   🕐 Sprint-4   R1 backend frontend

COMPLETED TASKS

Open 7 **Closed** 52 All 59

Recent searches ˅   Search or filter results...

ConfigurationsofUser:ChoosingVoice:CreatingDropdowntoSelect
#14 · created 2 months ago by Sree Harsha Reddy N V ⏱ Sprint-4 R1 backend frontend

SubscribingNewspaper:RemovingNewspaper:Adding functionality to frontend deletenewspaper
#10 · created 2 months ago by Sree Harsha Reddy N V ⏱ Sprint-4 R1 frontend react-app

ConfigurationsofUser:ChoosingAvatar:dispalying the images in a grid
#5 · created 2 months ago by Saravanan Senthil ⏱ Sprint-4 R1 frontend react-app

ConfigurationsofUser:ChoosingAvatar:Adding hovering effect on images
#4 · created 2 months ago by Saravanan Senthil ⏱ Sprint-4 R1 frontend react-app

ConfigurationsofUser:ChoosingLanguage:CreatingDropdowntoSelect
#15 · created 2 months ago by Sree Harsha Reddy N V ⏱ Sprint-4 R1 backend frontend

SubscribingNewspaper:AddingNewspaper:Addingfunctionality in frontend toAddNewspaper
#6 · created 2 months ago by Saravanan Senthil ⏱ Sprint-4 R1 react-app

GettingNews:WebScraping:FindingSources
#26 · created 1 month ago by Ashwin Mittal ⏱ Sprint-4 R1 backend

GettingNews:WebScraping:ScrapingtheNews
#11 · created 2 months ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend

Authentication:Login:openingPopuptoLogininapp
#7 · created 2 months ago by Sree Harsha Reddy N V ⏱ Sprint-4 R1 frontend

Authentication:Register:PopuptoRegister
#1 · created 2 months ago by Saravanan Senthil ⏱ Sprint-4 R1 frontend react-app

UpdatingAvatarForSubscribingNewspapers:PopularAvatars:Sorting and taking best 8 BasedOnNumberOfSubscriptions
#49 · created 1 month ago by Ashwin Mittal ⏱ Sprint-5 R1 backend frontend react-app

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UpdatingAvatarForSubscribingNewspapers:ClickingOnAvatar:writing resolver function to update the avatar for selected Subscribed Newspapers
#52 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend

SubscibingNewspaper:PopularNewspapers:Sorting and taking the best 8 newspapers based on number of subscriptions
#48 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend frontend

ConfigurationsofUser:ChoosingTags:joining all the tags to a string to store in database
#55 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend frontend

Authentication:Login:handling login with passportjs
#29 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend

SubscribingNewspaper:RemovingNewspaper:writing a resolver funtion to delete newspaperfrom database
#30 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend

ConfigurationsofUser:uploadingAvatar:handling signed request to aws s3 to upload the image file
#37 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 frontend

ConfigurationsofUser:uploadingAvatar:adding this as a users uploaded avatar in database
#41 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 backend

UpdatingAvatarForSubscribingNewspapers:AllAvatars:AddingUploadedAvatartoAllAvatars
#46 · created 1 month ago by Ashwin Mittal ⏱ Sprint-5 R1 frontend react-app

ConfigurationsofUser:uploadingAvatar:uploading image file to aws s3 based on sign request
#38 · created 1 month ago by Sree Harsha Reddy N V ⏱ Sprint-5 R1 frontend

COMPLETED TASKS

Open 7   **Closed 52**   All 59

Recent searches ⌄   Search or filter results...

ConfigurationsofUser:PersonalInformation:ChangingAddress
#3 · created 2 months ago by Saravanan Senthil 🕐 Sprint-5 `R1` `frontend` `react-app`

ConfigurationsofUser:ChoosingLanguage:AddingPredefinedLanguagestoDatabase
#40 · created 1 month ago by Ashwin Mittal 🕐 Sprint-5 `R1` `backend`

ConfigurationsofUser:PersonalInformation:ChangingEmail
#12 · created 2 months ago by Sree Harsha Reddy N V 🕐 Sprint-5 `R1` `backend` `frontend`

ConfigurationsofUser:PersonalInformation:ChangingName
#25 · created 1 month ago by Ashwin Mittal 🕐 Sprint-5 `R2` `backend` `frontend`

ConfigurationsofUser:uploadingAvatar:writing resolver function to get signed request from aws s3 for the image file
#39 · created 1 month ago by Sree Harsha Reddy N V 🕐 Sprint-5 `R1` `backend`

SubscribingNewspaper:AddingNewspaper:Writing resolver function in backend with selected attributes
#9 · created 2 months ago by Sree Harsha Reddy N V 🕐 Sprint-5 `R1` `backend`

Authentication:Register:HandlingRegisterInBackend
#13 · created 2 months ago by Sree Harsha Reddy N V 🕐 Sprint-5 `R1` `backend` `frontend`

BackendBoiler:settingExpressMongonodejs:seting up mongodb and writing models
#56 · created 1 month ago by Sree Harsha Reddy N V 🕐 Sprint-3 `R1` `backend`

BackendBoiler:SettingUpGraphql:writing resolver function for register user
#57 · created 1 month ago by Sree Harsha Reddy N V 🕐 Sprint-3 `R1` `backend`

BackendBoiler:SettingUpGraphql:writing resolver function for getting user info
#58 · created 1 month ago by Sree Harsha Reddy N V 🕐 Sprint-3 `R1` `backend`

BackendBoiler:settingExpressMongonodejs:setting up routes
#59 · created 1 month ago by Sree Harsha Reddy N V 🕐 Sprint-3 `R1` `backend`

Wireframe
#31 · created 1 month ago by Ashwin Mittal 🕐 Sprint-3 `R1`

PENDING TASKS

- Adding subtitles to the videos.
- Sorting of the news based on tags.

OPTIONAL FEATURES

- Login and register of a user using AWS Cognito.
- Verification of the phone Number using AWS Cognito.

SCOPED DOWN FEATURES

- Sending the videos to the user's Whatsapp.

THANK YOU