YOGASHALA

Team members

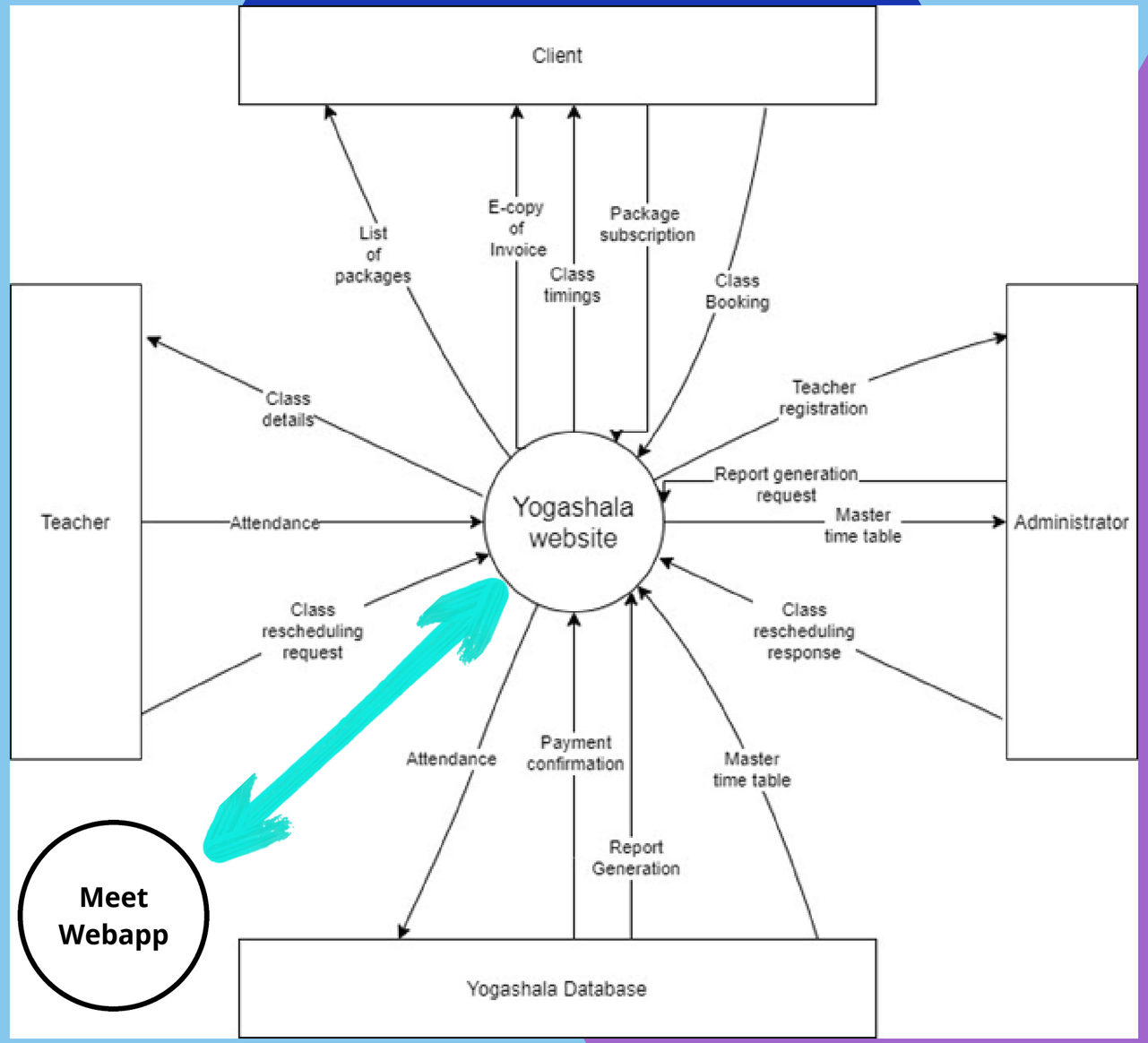
19Z301 - A Kirthic Vishnu
19Z302 - Adharsh S
19Z304 - Aditya Sriram
19Z323 - K Sandeep Kumar
19Z327 - Kumaresh S

Team 7

Overview

To design a website that acts as a Point of Sales (POS) for a Yoga Company that is trying to adapt to the online mode of teaching due to the current pandemic situation , and to provide them a proprietary meet app to make their lives easier. Our main focus while designing the website was geared towards providing the users with a pleasant one-stop experience for all their yoga needs. Although the main focus was towards the user end we have provided dynamic functionalities for both the administration as well as the teachers to ensure the website does not become obsolete and stays relevant in the ever-changing future.

System Architecture



Features Implemented

- The website acts as POS.
- Multiple user classes.
- Analysis model of cash flow and footfall.
- The database should perform basic analysis and provide monthly reports.
- Proprietary Video Conferencing Application.
- Responsive Webpages which adapt to any device dimensions.
- The cohesive flow of Time Table between modules.

Technology implemented

Backend

Node.js

Django

Express

Frontend

HTML

CSS and Bootstrap

Javascript

Hosting

Heroku

Localhost

Team member	Contribution	Challenges faced
A Kirthic Vishnu	Setting up signalling server , ICE candidate , STUN server and socket connection between peers ,Optimization of server architecture , File sharing and UI optimization to provide user and link data . View student data , add attendance , view attendance , Overall customisable attendance report , Course specific classes left.	Learning new technologies , optimizing server architecture for faster and seamless data transfer , Making web page responsive to look consistent across all screen sizes, Creating sortable data tables.
Adharsh S	Front end , Initial Server arch , Hosting app on Heroku , Add/Edit profile , View transaction history , View course validity	Making web page responsive to look consistent across all screen sizes , Trying out various hosting platforms , Creating sortable data tables , Trying out various server architectures.

Team member	Contribution	Challenges faced
Aditya Sriram	Sharing of RTCMediaStreams , (Audio , video) , Sharing of RTCMediaStreams (Screen sharing) , Hosting app on Heroku, Master time table , Edit time table , view time table (user specific)	Trying out various free hosting services , Issues with various browser not supportig webRTC, Creating dropdowns for each cell. Making web page responsive to look consistent across all screen sizes.
Sandeep Kumar	Setting up signalling server , ICE candidate , STUN server and socket connection between peers ,Sharing of text data(chatbox), Rescheduling request , rescheduling status , reschedule approval(Mail sent for rescheduled classes) , reschedule analysis(user specific)	Learning new technologies , Implementing request mechanism where rescheduling can be requested only on free classes. Making web page responsive to look consistent across all screen sizes

Team member	Contribution	Challenges faced
Kumaresh S	Initial Server arch , Optimization of server architecture , File sharing and UI optimization to provide user and link data, Add course , Add student , add course for student , add teacher , add course for existing teacher	Learning new technologies , Optimization of server architecture for seamless experience by trial and error , Making web page responsive to look consistent across all screen sizes.

Bibliography

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THANK YOU!