

YOGASHALA

Team members

19Z301 - A Kirthic Vishnu

19Z302 - Adharsh S

19Z304 - Aditya Sriram

19Z323 - K Sandeep Kumar

19Z327 - Kumaresh S



Team 7

Overview

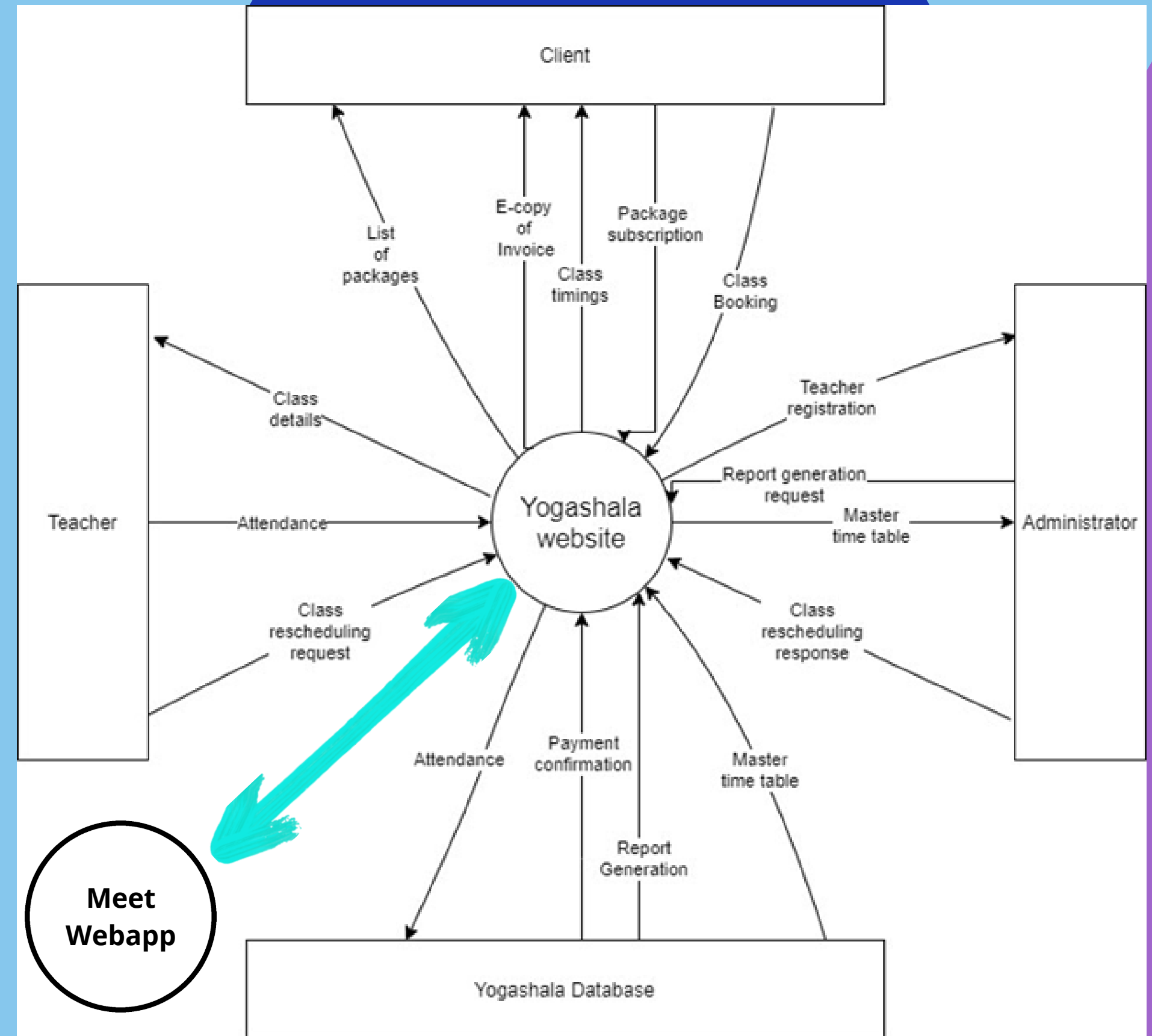
To design a website that acts as a Point of Sales (POS) for a Yoga Company that is trying to adapt to the online mode of teaching due to the current pandemic situation. Our main focus while designing the website was geared towards providing the users with a pleasant one-stop experience for all their 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.

Key Features:

- a) Proprietary Video Conferencing Application.
- b) Responsive Webpages which adapt to any device dimensions.
- c) Multiple user classes.
- d) Analysis model of cash flow and footfall.
- e) The cohesive flow of Time Table between modules.



System Architecture



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

Kumaresh S

Contribution

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

Challenges faced

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

- <https://w3c.github.io/webRTC-pc/#intro>
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