Data Visualization

Pumpjack Data Works

Team Members:

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Contents

1- Background

Understanding data and knowing insights is not easy for each individual, therefore we created a mobile application that displays generalized visualization of Football's teams' fans data, in which you can look into data analysis, and apply filters like age, location and gender.

2- Objectives

- To visualize data after cleaning and filtering.
- Allows to display data analytics.
- To display and visualize statistics on a **dashboard**.

3- Time Frame

	Description of Work	Start and End Dates
Phase One		
	Database designing	
	UI and wireframe	
Deliverables		25 July, 2022-27 July, 2022
Phase Two		
	Database Schema	
	Backend Development	
Deliverables		28 July, 2022-1 August, 2022
Phase Three		
	Responsive React Native Application	
Deliverables		2 August, 2022-8 August, 2022

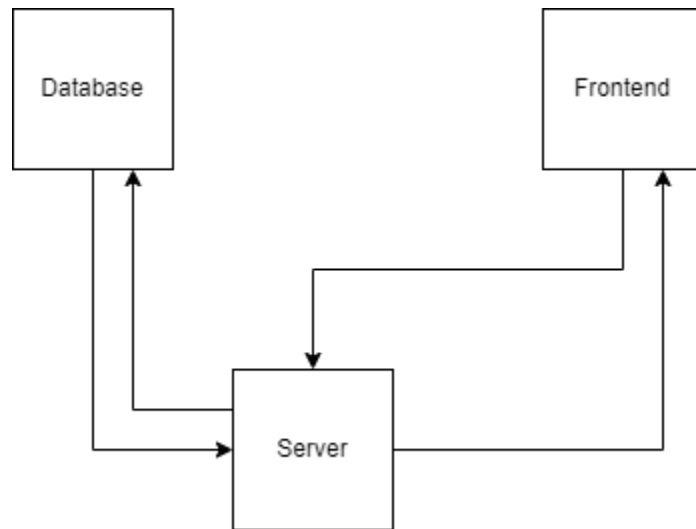## 4- System Architecture

Phase 1:
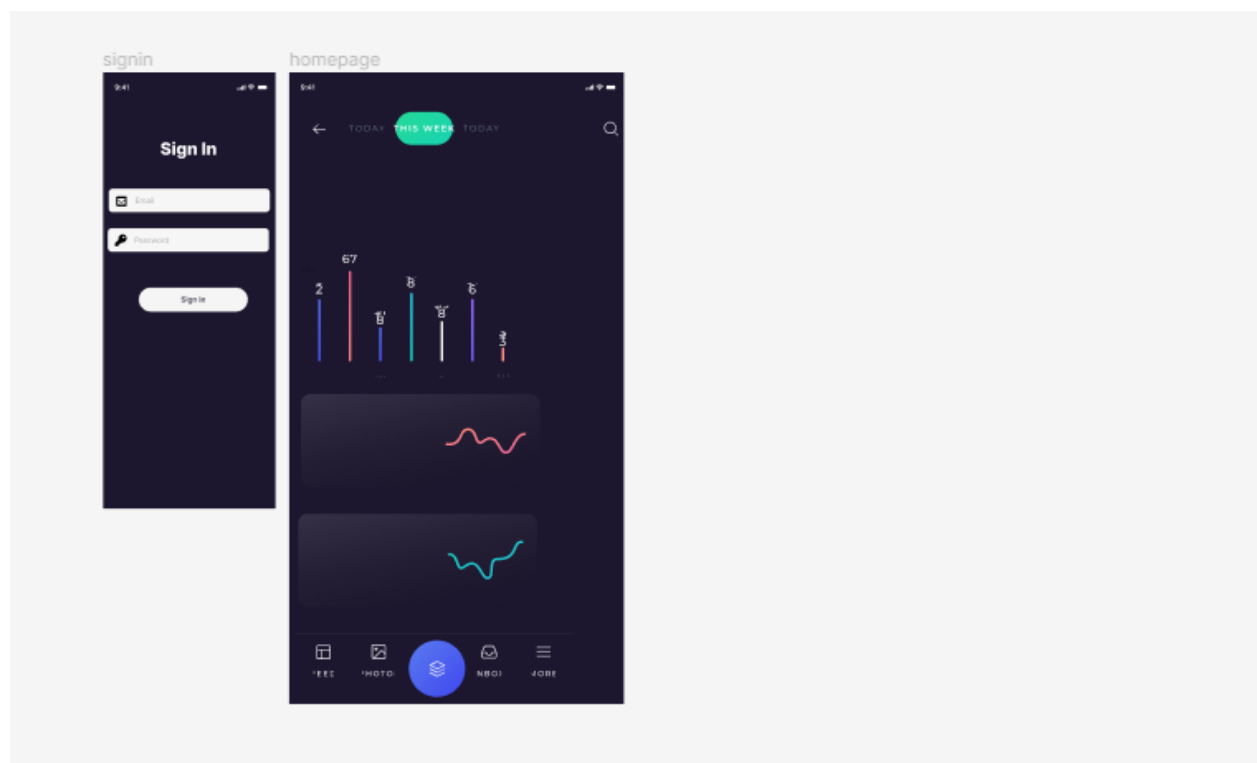In this phase we will be designing a UI prototype and database.

Phase 2:
In this phase a database will be created and we will be cleaning and filtering the dataset to visualize further.
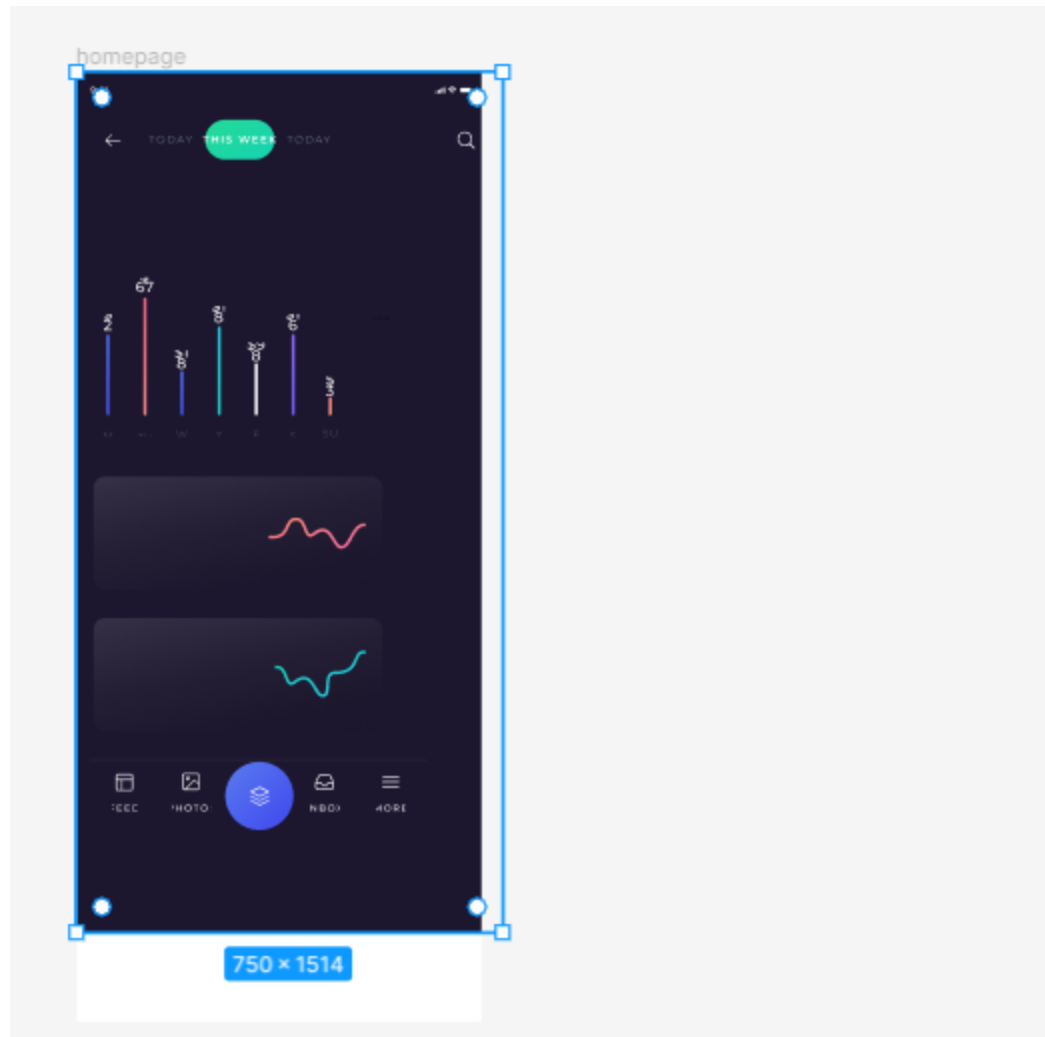
Phase 3:
At this level our react native application will be created which will visualize data and allow us to look into data analytics.

5- Wire Frame

6- Technologies Involved

Tool/Technology	Description
HasuraGraphQL	For real time graphQL API
PostgreSQL	Database
Node	Backend
React Native	Frontend

7- Conclusion

This data visualization application will be useful enough to locate football matches by analyzing demand and fan followings through visualization of data insights.

Approval Signatures

_____
[Name], Project Client

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[Name], Project Sponsor

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[Name], Project Manager