Task: Responsive Dashboard Development

Objective :

Develop a fully responsive web and mobile dashboard application using ReactJS. The dashboard should dynamically display data, include interactive components, and provide a seamless user experience across various devices.

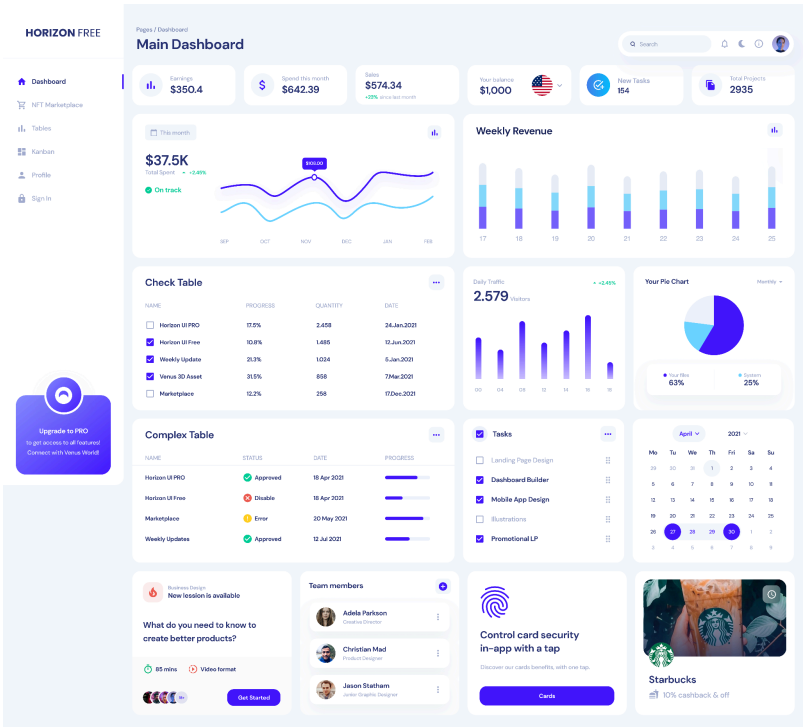
Requirements

1. **Responsive Design**
    - Ensure the dashboard is fully responsive and provides an optimal user experience on desktops, tablets, and mobile devices.
    - Use CSS Grid/Flexbox for layout and ensure cross-browser compatibility.
2. **Web Dashboard**
    - Create a web dashboard with the following sections:
        - **Header**: Contains navigation links, user profile, and notification icons.
        - **Sidebar**: Includes links to different dashboard pages (e.g., Overview, Analytics, Settings).
        - **Main Content Area**: Displays a grid of widgets showing various metrics and charts.
        - **Footer**: Contains brief information about the application.
3. **Mobile Dashboard**
    - Adapt the web dashboard layout to a mobile-friendly design.
        - **Header**: Same as web but optimized for mobile view.
        - **Collapsible Sidebar**: Should be hidden by default and accessible via a hamburger menu.
        - **Main Content Area**: Optimized for vertical scrolling, with widgets stacked.
4. **Widgets**
    - Implement interactive widgets for the dashboard, including:
        - Line chart showing user activity over time.
        - Bar chart displaying sales data.
        - Pie chart depicting user demographics.
        - Recent activity feed.
5. **Data Integration**
    - Fetch data from a mock API and dynamically populate the widgets.
    - Ensure real-time data updates and error handling.
6. **State Management**

    - Use Redux for state management to handle global states and ensure consistency across components.
    - Properly structure and modularize Redux code (actions, reducers, store).
7. **Form Handling**
    - Implement a settings page with forms for updating user preferences.
    - Use form validation and ensure a smooth user experience.
8. **Code Quality**
    - Follow best practices for React component development.
    - Ensure the code is clean, modular, and well-documented.
9. **Dark Mode**: Implement a toggle feature to switch between light and dark themes.
10. **Performance Optimization**: Optimize the application for performance, including lazy loading of components and code splitting.

Evaluation Criteria

- **Responsiveness**: The application should work flawlessly on different screen sizes.
- **Interactivity**: Widgets should be interactive and update dynamically based on data changes.
- **Code Quality**: Clean, well-structured, and documented code following ReactJS best practices.
- **Data Integration**: Proper handling of data fetching, state management, and error handling.
- **UI/UX**: The overall design and user experience should be intuitive and visually appealing.



Additional Considerations

- Use of TypeScript is a plus.
- Implement unit tests for critical components.
- Ensure accessibility standards are met.

Submission

- Provide the complete source code in a GitHub repository.
- Include a README file with instructions on how to run the application.


HORIZON FREE
Pages / Dashboard
Main Dashboard
Search
Dashboard
NFT Marketplace
Tables
Kanban
Profile
Sign In
Earnings
$350.4
Spend this Month
$682.5
Sales
$574.34
+23% since last month
Your balance
$1,000
New Tasks
154
Total Projects
2935
This month
$37.5K
Total Spent +2.45%
On track
$106.00
SEP
OCT
NOV
DEC
JAN
FEB
Weekly Revenue
17
18
19
20
21
22
23
24
25
Check Table
NAME
PROGRESS
QUANTITY
DATE
Horizon UI PRO 17.5% 2.458 24.Jan.2021
Horizon UI Free 10.8% 1.485 12.Jun.2021
Weekly Update 21.3% 1.024 5.Jan.2021
Venus 3D Asset 31.5% 858 7.Mar.2021
Marketplace 12.2% 258 17.Dec.2021
Daily Traffic
+2.45%
2.579 Visitors
00
04
08
12
14
16
18
Your Pie Chart
Monthly
Your files
63%
System
25%
Upgrade to PRO
to get access to all features!
Connect with Venus World!
Complex Table
NAME
STATUS
DATE
PROGRESS
Horizon UI PRO Approved 18 Apr 2022
Horizon UI Free Disable 18 Apr 2022
Marketplace Error 20 May 2021
Weekly Updates Approved 12 Jul 2021
Tasks
Landing Page Design
Dashboard Builder
Mobile App Design
Illustrations
Promotional LP
April
2021
Mo Tu We Th Fr Sa Su
Business Design
New lession is available
What do you need to know to create better products?
85 mins
Video format
Get Started
Team members
Adela Parkson
Creative Director
Christian Mad
Product Designer
Jason Statham
Junior Graphic Designer
Control card security in-app with a tap
Discover our cards benefits, with one tap.
Cards
Starbucks
10% cashback & off
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