AMTAR

AMTAR Application

APP FEATURES & PAGES

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AMTAR: The application is a comprehensive solution that allows users to monitor and manage their resources efficiently. It offers real-time tracking of gas, water, and fuel tank levels through subscription-based sensors. The app provides insightful analytics, AI-driven predictions, and automated delivery services. With a user-friendly interface and customizable reports, users can easily track consumption patterns, compare usage with others, and make informed decisions. The app supports multiple languages and utilizes an earth-tone color palette for a visually pleasing experience.

Main Features of the App.

- Seamless Delivery: Integration: Users can connect with 3rd party delivery services to automate tank refills and streamline the process.

- Near-Empty Prediction: Using historical data and current tank levels, the app predicts when tanks will reach critically low levels, allowing users to take proactive measures and avoid unexpected shortages.

- Leak Detection: The AI-powered system detects and alerts users about potential leaks in tanks, enabling prompt action to minimize wastage and prevent damage.

- Pump Malfunction Monitoring: The app monitors the functionality of pumps connected to tanks and alerts users in case of malfunctions or abnormalities, ensuring uninterrupted supply and system efficiency.(water tank only)

- Consumption Insights: Through AI-driven analytics, the app provides users with valuable insights into their consumption patterns, allowing them to identify trends, optimize resource usage, and make informed decisions for conservation.

- Comparative Analysis: Users can compare their resource consumption with friends and neighbors, gaining valuable insights and fostering a sense of competition to promote efficient usage.

- AI-Enhanced Notifications: The app sends intelligent notifications, such as low tank levels, abnormal usage patterns, or potential issues, to keep users informed and enable prompt actions.

- Personalized Recommendations: The AI algorithms provide personalized recommendations for optimizing resource usage, suggesting tailored strategies and tips to improve efficiency.

- Historical Data Visualization: Users can visualize their historical consumption data through intuitive graphs and charts, enabling them to track usage trends,cost, identify patterns, and make data-driven decisions.

Notes:

- Demo Mode: Users can access a demo page upon opening the app without the need to log in. This allows potential customers to explore the app's features, interface, and functionality before committing to sign up.

- Seamless Sign-Up: To place orders or access personalized features, users will be prompted to sign up. The sign-up process will be streamlined and user-friendly, ensuring a smooth onboarding experience. (Apple ID, Google and Facebook)

- Intuitive User Experience: The app will prioritize simplicity and ease of use, with intuitive navigation and clear instructions. This will enable users, both in demo mode and after sign-up, to quickly understand and leverage the app's capabilities

- The AMTAR app will be available in both Arabic and English languages, providing a bilingual experience to cater to a wider user base. Users can seamlessly switch between the two languages within the app settings, ensuring a comfortable and accessible experience for users from different regions and language preferences

- The AMTAR app will feature an earth tone color palette, creating a visually appealing and soothing user interface. The choice of earthy colors, such as shades of green, blue, and brown, reflects our commitment to nature and sustainability. This color scheme creates a harmonious and organic feel throughout the app, enhancing the user experience and aligning with our focus on environmental monitoring and resource management.

Key App Pages:

1. **User Journey for First-Time Users:** Amtar provides a user journey for first-time users, consisting of three pages to explain the application. The first page showcases the easy process of ordering a sensor, emphasizing that our team will handle the installation without any wiring, making it a hassle-free and maintenance-free experience. The second page highlights the insights and dashboard features, enabling users to track and analyze their consumption patterns. The third page focuses on the seamless integration with delivery services.

2. **Help and Support:** Include a dedicated page or section to provide FAQs, troubleshooting guides, and contact information for customer support.

3. **User Profile and Preferences:** Integrate a user profile section where users can customize their preferences and manage account settings.

- Profile Information: Users can view and update their personal details, such as name, email address, location(address) and contact information.(verified by our employees when installed)

- Account Settings: Users have control over their account preferences, including password changes, notification settings, and language preferences.

- Billing and Payments: Provide a section for users to view their subscription details, payment history, and manage billing preferences. This can include options to update payment methods or change subscription plans.

- Customized Reports: Users can specify their preferences for usage reports, selecting the desired parameters, such as consumption trends, cost estimations, comparisons with previous periods, and other relevant data. These reports will be automatically generated on a monthly or weekly basis, enabling users to make informed decisions about their resource management.

- Sensor Management: Users have the flexibility to add, cancel, or modify connected sensors, allowing customization of their monitoring setup as per their specific requirements. Additionally, users have access to API controls, enabling integration with other systems or platforms. Users can also utilize the transfer function to move a sensor to another location if needed.

- Preferences and Customizations: Provide users with options to personalize their app experience, such as choosing preferred units of measurement, setting usage thresholds, or enabling specific AI features.

- Sensor Settings and Notifications: Users can adjust sensor-specific settings and notification preferences on this page. Additionally, they can input tank dimensions, the number of tanks, home size, pump malfunction monitoring, and occupancy details (e.g., number of people, office, or restaurant),. These inputs will be used for AI-driven predictions and consumption comparisons. (Initial inputs will be collected by our employees, and users can edit them later on.)

4. **Home Page:** Provides quick access to the other app pages, including the Sensors Page for an overview of tank levels, the 3rd Party Delivery Page for easy and fast ordering of services, and the Sensors Subscription Cards for a quick overview of available sensors.

   - The first section will provide a quick display of tank levels, allowing users to slide the container to view other sensors in a quick overview. There will be an information icon that connects users to the sensors page, providing more detailed information. Additionally, a bell icon will turn red to indicate any notifications.

   - The second section will feature circular icons that link to various pages, including the Sensors and Analytics page, the 3rd Party Delivery page, and the Settings page..etc

   - The third section will serve as a quick ordering section, where users can select a specific sensor and, based on the empty level, order fuel, water, or gas quickly. Alternatively, they can click on the icon in this section to be directed to the advanced delivery services page.

   - The fourth section will showcase subscription cards for the sensors. If a user clicks on the "Subscribe Now" option, they will be connected to the checkout page. If they prefer more information, they will be directed to the marketplace page.

   - The fifth section will provide valuable content, including saving tips and articles related to efficient resource management.

5. **Sensors and Analytics Page:** Offers comprehensive analytics and insights, allowing users to track their consumption patterns and compare with others.

- Users can access a summary of their sensor data history, including past tank levels, consumption patterns, and usage statistics, providing insights into their resource usage over time..

- Users can easily slide left or right to switch between different sensors.

- Historical level data will be presented in graph format.

- Consumption and cost patterns will be visualized through a consumption graph.

- Information about the last tank fill or the rate and history of fills will be available.

- Consumption per person will be calculated and displayed for better monitoring.

- The remaining days until the tank is empty, based on consumption data, will be displayed.

- Pump functionality will be monitored and indicated on this page.(water level)

- Users will be alerted if the tank lid is open.

- Leakage detection will be displayed for enhanced safety.

- Users can quickly connect to a delivery service via a dedicated section on this page.

- The surrounding temperature will be displayed for reference.

6. **3rd Party Delivery Page:** Seamlessly connects users with delivery services for automated and convenient tank refills.

- Users can easily view the remaining level of their tanks, providing a quick overview.

- When selecting a delivery service, relevant information related to the selected sensor will be displayed.

- Users have the option to order delivery services or schedule them, even if they are not subscribed to a sensor. However, for subscribed users, this function can be automated based on a predefined set level.

- Calculation of the tank's remaining capacity will be displayed, helping users determine the quantity they can order.

- In the case of water tanks, users can order above the available level if they have an underground well or another sensor connected to an additional water source. The system will calculate the combined capacity of both tanks.

- "Order Now" buttons will be available, followed by a message informing users that they will receive the best available offer soon. Users will receive a notification once we have an offer from a 3rd party delivery service. For gas or fuel deliveries, where prices are known, users will be directly connected to the checkout page.

7. **Sensors Subscription Page(marketplace):** Displays subscription options for the sensors, allowing users to choose and proceed to the checkout page.

- Users can explore all available sensors and subscription plans on this page.

- This page serves as a gateway to the checkout process (cart).

- Users have the option to add multiple sensors to their subscription.

- Each sensor will display the available plans and corresponding fees. On the main page, we provide basic information about the sensor and starting prices (e.g., starting from x$) to attract users.

- If a sensor is selected, detailed information along with photos will be provided to showcase the insights and functionalities it offers.

- Add Apple pay & Google pay