Read-me

Target release	30 Apr 2022
Epic	Product Epic
Document status	**DRAFT**
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🎯 Objective

Delivery of the water across the United Emirates, the mobile application allows ordering the water in bottles and the backend application is integrated with the SAP CRM system sync mobile users data with business data is an MIT-licensed open source project, members are students of the FICT KPI group, the main target - program which includes work with database management system, object oriented model - presentation of the data, object-relational mapping data from relational database to OOM

Business case

Delivery of the water across the United Emirates. The mobile application allows ordering the water in bottles and the backend application is integrated with the SAP CRM system sync mobile users data with business data

Main Functionality

Working screens for: (un)registrated user and administrator. Addtional functionality - saving real-time data about the location of the user in space during the registartion of the client. The fallen output of the results in the form of a graph. The delivery service offers international shipping water items for the clients, according to the requirements.

📊 Success metrics

List project goals and the metrics we will use to judge success

Goal	Metric
Minimization of server response time	Customer satisfaction scores to main page loads faster
Minimization of development solutions through free solutions of cloud providers	Customer satisfaction assessment through faster and more reliable
Minimization of modifications to the main architectural solutions of the customer: API, Database, etc.	The site will be more stable and customers will not experience unavailability of the resource
Building a scalable architecture	At a long stage of development, customer requirements will be implemented in the shortest possible time
Building a fault-tolerant system with 0% order data loss	The site will always be available and without losing user data
Hassle-free architecture deployment for any other cloud provider	The customer can always change the provider with ease
The ability to run and monitor systems to deliver business value and to continually improve supporting processes and procedures.	Customer operational excellence

The ability to protect information, systems, and assets while delivering business value through risk assessments and mitigation strategies.	Customer`s Data Security
The ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues.	Customer`s Server Reliability
The ability to use computing resources efficiently to meet system requirements, and to maintain that efficiency as demand changes and technologies evolve.	Customer`s Server Performance Efficiency
The ability to run systems to deliver business value at the lowest price point.	Customer`s Cost Optimization

🤔 Assumptions(Risks)

1. Service Layer Agreement
2. 3-rd party systems:
   - Twilio SMS - broadcast SMS for OTP
   - Firebase Cloud Messaging - push notification
   - GitHub Action - testing and building projects in Docker Containers, deployment in a cloud provider

Design constraints:

1. Supported platforms: Web-browsers, Android, iOS
2. Supported clouds hosts: Azure (because the custom solution for the SAP system is hosted in Azure)

🌟 Milestones

📝 Requirements

Requirement	User Story	Importance	Jira Issue	Notes
Must be mobile responsive	Jonh is a PM who wants to check on his team's progress from the train station	HIGH		
Back-up processes for managing risks	PM wants wants to archive problematic processes so they don't repeat themselves	HIGH		
Uptime requirements for a service	The test team should always have access to the site to find bugs and report them	HIGH		
Data storage capacity per customer	Isolate customer data so that there are no conflicts between them	HIGH		
Fault tolerance, such as the ability to work offline	The client wants to have access to the system at any time	HIGH		

❓ Open Questions

Question	Answer	Date Answered
How might we make users more aware of this feature	We will announce the feature with a blog post and presentation	29 Apr 2022

⚠️ Out of Scope

- Login / Register functionality
- Products functionality

- Orders functionality
- Notifications
- Chat
- Surveys
- Voucher reclaims
- SAP integrations
- Payments