Credersi-Vend Product Requirements

Target release	2023-03-31
Product	Credersi-Vend Customers, Credersi-Vend Admin
Document status	DRAFT
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Purpose

The purpose of this document is to detail the product requirements for Credersi-Vend Admin and Credersi-Vend Customers. As no formal requirement documentation was provided by the Product Owner, the test team has devised a set of requirements that will cover functionality and expectations.

This will be done throughout the test process and this document will be a formal deliverable. These requirements will be assessed as follows:

- Creation of user stories to simulate real user experiences and what they might expect the product to do.
- Tester experience/intuition. This will use what the individual tester feels is a reasonable expectation from using the product.
- Product Owner input. Although the Product Owner in this case can only provided limited information, they can provide insight into what is intended for the software.

Stakeholders

- Product owner - Credersi-Vend
- Office administrative staff
- Vending machine engineers
- Credersi-Vend customers

Objectives

Credersi-Vend Customers

Credersi-Vend Customers is the legacy software currently being used to keep customer records. This product only requires limited functionality to be usable.

The primary objective of the product is to provide a means of recording customer records with information required by Credersi-Vend staff.

Credersi-Vend Admin

Credersi-Vend Admin is the new web application for planning engineer routes on customer sites.

The primary objective of Credersi-Vend Admin is to enable the creation of maintenance routes between vending machines on a customer site. The user needs to be able to create a customer record, which contains entries for customer sites and specific vending machines.

Success metrics

Goal	Metric
Ensure that the system meets the minimum requirements for a viable product.	Component/System test cases
Assess usability	Acceptance test cases

Minimise the presence of defects	Defect reports
Ensure adequate system performance	System test cases

Assumptions

Credersi-Vend Customers

Users will be limited to admin roles such as account managers, sales, etc.

Software has already been in use, a lower priority than Credersi-Vend Admin.

Credersi-Vend Admin

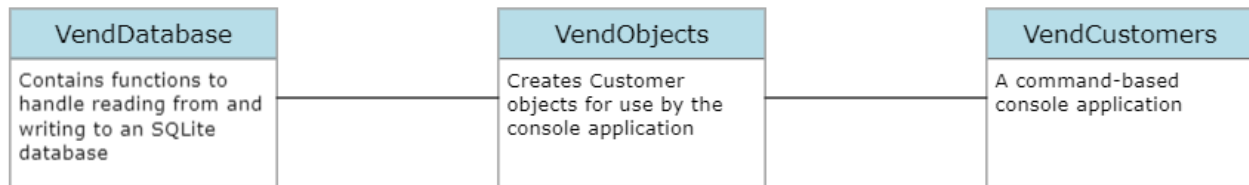Users will be limited to engineers, engineer coordinators, etc.

Requirements

Product	Requirement	User Story	Importance	Notes
Credersi-Vend Customers	An 'Add' command, which creates a customer record in the database which contains: o Business name o ID o Address o Postcode o Contact o Number of vending machines o Category	As a Credersi-Vend account manager, I want to be able to add a new customer into the database so that they can be recorded and queried later.	HIGH	
	A 'List' command that returns all customer records from the database to the console.	As the business owner, I want to be able to see a list of customer accounts with their details, so I can see what category they are.	HIGH	
	A 'query' command which allows the user to return a specific customer using their ID number.	As an account manager, I want to be able to query a customer by their ID number to make identifying and locating them in the database easier.	HIGH	
	A 'help' command which gives the user a list of available commands.	As a new user of Credersi-Vend customers, I want to be able to input a command into the console that produces a list of commands I can use.	HIGH	

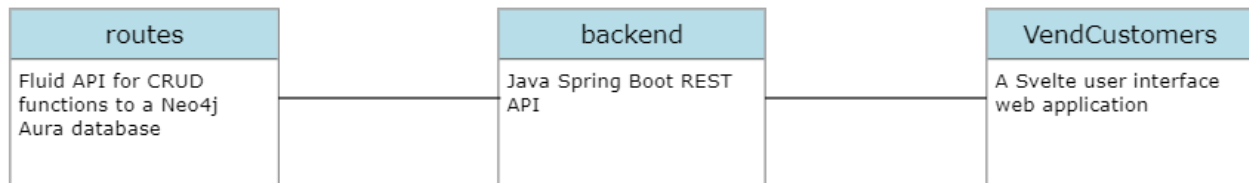| Product	Requirement	User Story	Importance	Notes
Credersi-Vend Admin	A create customer button that creates a new customer record, where you can create sites and machines.	As a Credersi-Vend account manager, I want to be able to add a new customer, where I can create their sites and specific machines.	HIGH	Will create records in the Neo4J Aura Database
	A create site button that creates a new site for an existing customer.	As a Credersi-Vend account manager, I want to be able to add a new site under a customer entry so a maintenance engineer knows how to get to site.	HIGH	Will create records in the Neo4J Aura Database
	A create machine button that creates a new vending machine within a site/machine.	As a Credersi-Vend account manager, I want to be able to add a new machine under a customer site, so that a maintenance engineer knows what machines are on a site.	HIGH	Will create records in the Neo4J Aura Database

	A breadcrumb trail that allows the user to navigate back through sites.	As a Credersi-Vend engineer, I want to have a navigation system that allows me to easily go back through the trail of sites and machines, so I can plan my route.	**MEDIUM**	
	A home button that links back to the home/customer page.	As a Credersi-Vend engineer, I want to quickly jump back to the customer page so I can load up my next customer and site address.	**MEDIUM**	

Design

Credersi-Vend Customers

VendDatabase	VendObjects	VendCustomers
Contains functions to handle reading from and writing to an SQLite database	Creates Customer objects for use by the console application	A command-based console application

Credersi-Vend Admin

routes	backend	VendCustomers
Fluid API for CRUD functions to a Neo4j Aura database	Java Spring Boot REST API	A Svelte user interface web application

Out of Scope

- Functionality to create links between multiple other machines.
- Specific vending machine details - product types, tools required, etc.
- Engineer instructions - tools required, the issue to be fixed, etc.