

## Introduction

At Rocket Software, Team Red is driven by a shared commitment to simplifying and securing the way employees manage licensed external software. In a rapidly evolving digital landscape, our team envisions a future where software installation and license management are seamless, intelligent, and fully integrated into our enterprise ecosystem. Guided by innovation and collaboration, we are building a system that empowers users, reduces complexity, and ensures compliance, while also striving for scalable and sustainable software operations.

## Stakeholder and user description

Primary:

- Buzzword Software Solutions Limited Legal Compliance Department employees will use this software to track and manage licenses that have the potential to damage the company, either because the license is expired but the software is still being used (leading to legal consequences), or because the license is being renewed but not used (leading to financial loss).
- IT personnel and managers will use the software when they provide users with access to licenses and when installing the licensed software on company computers.
- Employees will use it to see what licenses they have access to, in case they need access to one but don't have it.

Secondary:

- Database Administration will want to make sure that the databases used operate within approved specs for processing power, throughput, and storage usage.

## Product Overview

A license tracking system for employees to utilize that can manage and monitor licenses granted to employees throughout the company. The application will also provide users with multiple options for custom filtered views of the data. The system will be secure, protecting the database from unauthorized access or destruction.

### Product Features

- Managers will have the ability to add, update, and delete a single license.
- Managers will have the ability to assign licenses to a person or computer.
- Employees will be allowed to query for details about any license. Licenses will be able to be queried by:
  - Type, cost, and/or date.
  - Assignee.
  - Location, employee, and/or software.
- The system will be protected by secure authentication via the company's SSO system.
- The system will be more resilient to DDoS attacks via sanity checking on the authorization tokens included with API requests.
- The database will have consistent backups protecting it from malicious or accidental disruption.
- Access and changes to the database will be logged.

### Precedence and priority

- High priority requirements:
  - The ability for managers to add or delete a single license
  - Secure authentication and authorization of each user
- Medium priority requirements:

- The ability to query licenses by type
- The ability to query by license ID
- The ability for managers to update licenses without first deleting them
- Backup system for the database
- Logging system for user access and changes to the database
- The ability to query licenses by type
- The ability to query licenses by expiration date
- The ability to query licenses by cost
- Low priority requirements:
  - The ability to query licenses by add date
  - The ability to query licenses by assigned employee(s)
  - The ability to query by assigned location(s)

### **Mission Statement:**

Our mission is to develop and deploy a software license tracking system to manage the installation and use of external software. We prioritize maintainable and efficient code for customer success. This will assist Buzzword Software Solutions Limited in avoiding legal and financial consequences associated with expired or superfluous software licenses.

### **Vision Statement:**

The customer's organization has a lot of software licenses, each one with its own traits, including expiration date, cost, and the employee(s) the license is assigned to. We are making a secure system for viewing and managing these licenses, including adding or updating them or filtering them to only view a specific subset. The system will also differentiate between

managers and employees, offering more control to update licenses to managers while only allowing employees to view the list.