Meet the Team

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Qlean Quotes

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Description

Based on the needs of a real St. Louis house cleaning business to update from paper applications, Qlean Quotes offers a faster, more precise way of giving customers quotes online. Users can register a secure account to store their personal information, calculate a quote based on their cleaning service needs, and pay for the quote online through Square.

What is Qlean Quotes?

Real-Life Application

Based on the needs of a real St. Louis house cleaning business to update from paper applications

Self-Service Web App

A web app that empowers the customer to customize a quote and pay for cleaning services independently

Meeting Customer & Merchant Needs

Square API makes payment processing easy on both ends

Safe & Secure

Spring Security keeps customer info safe
Square payments are PCI compliant & secure

Features

- Square API Integration- connects popular Square service to pay for quotes directly on the website
- Spring Security- ensures secure user login and user information storage in a User Profile
- Quote is calculated live on page
- Users and Quotes are connected to MySQL
- Built-in Unit Testing

Features

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Planning - User Stories

Users can:

- Register an account

- Login to their account securely

- Update information in a user profile

- Be guided by multiple layers of validation

- Calculate quotes for house cleaning services

- Pay for these services within the site using Square

User Stories

A user can...

Register an Account

Securely Log In to an Account
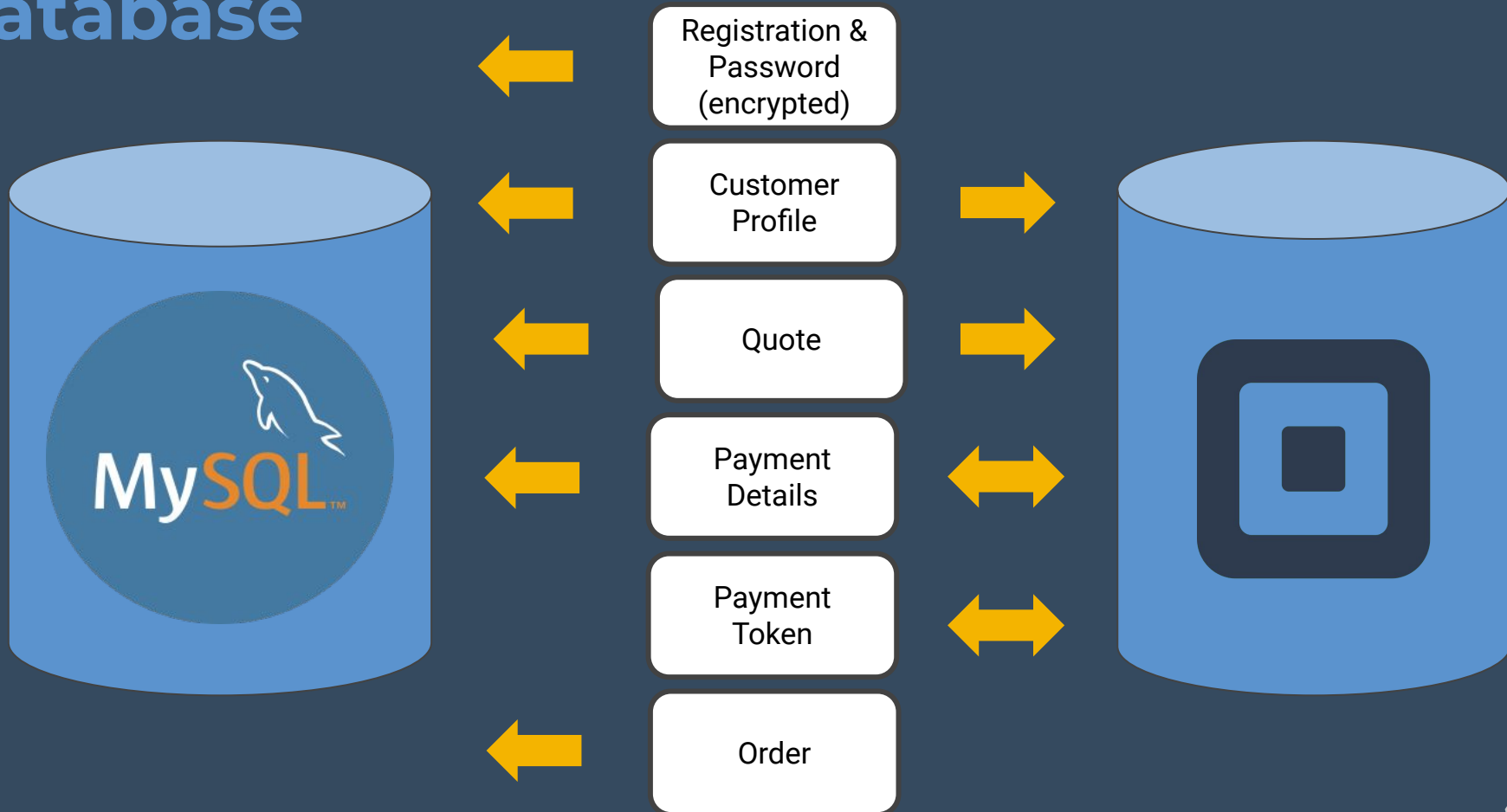
Create & Update a Personal Profile

Calculate a Quote for House Cleaning Services

Pay for Services Using Square

Database

Registration & Password (encrypted)

Customer Profile

Quote

Payment Details

Payment Token

Order

Technology Stack

- Languages: Java, Javascript, HTML/CSS
- Frameworks: Spring Boot, Bootstrap
- Template engine: Thymeleaf
- Database engine: Hibernate and MySQL
- Other libraries or components: Square API (Customer, Order, Payment), Spring Security

Demo

GitHub Repo: https://github.com/Apr-23-LC-LiftOff-STL/Qlean-Quotes

What We Learned

- UI/UX Design
- Connecting to multiple APIs through Square
- Spring Security configurations
- Creating a dynamic user profile
- Using Agile strategies to better coordinate simultaneous work
- Best practices in web development (JSON packets vs. direct back end connection)
- Front end and back end integration

What's Next

- **Order History**- Greater integration of the Customer/Orders APIs could allow users to see previous paid services and even reorder services
- **Sharing Customer Data with API**- Sharing customer phone number and address information between payment page and user profile to eliminate additional typing by user
- **UI Changes**: billing address same as service address checkbox on payment, forgot password option, emailed invoice