LiftOff Presentation & Demo

QLEAN QUOTES

Meet the Team

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Why 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

Quote Calculator

MySQL Database

Spring Security
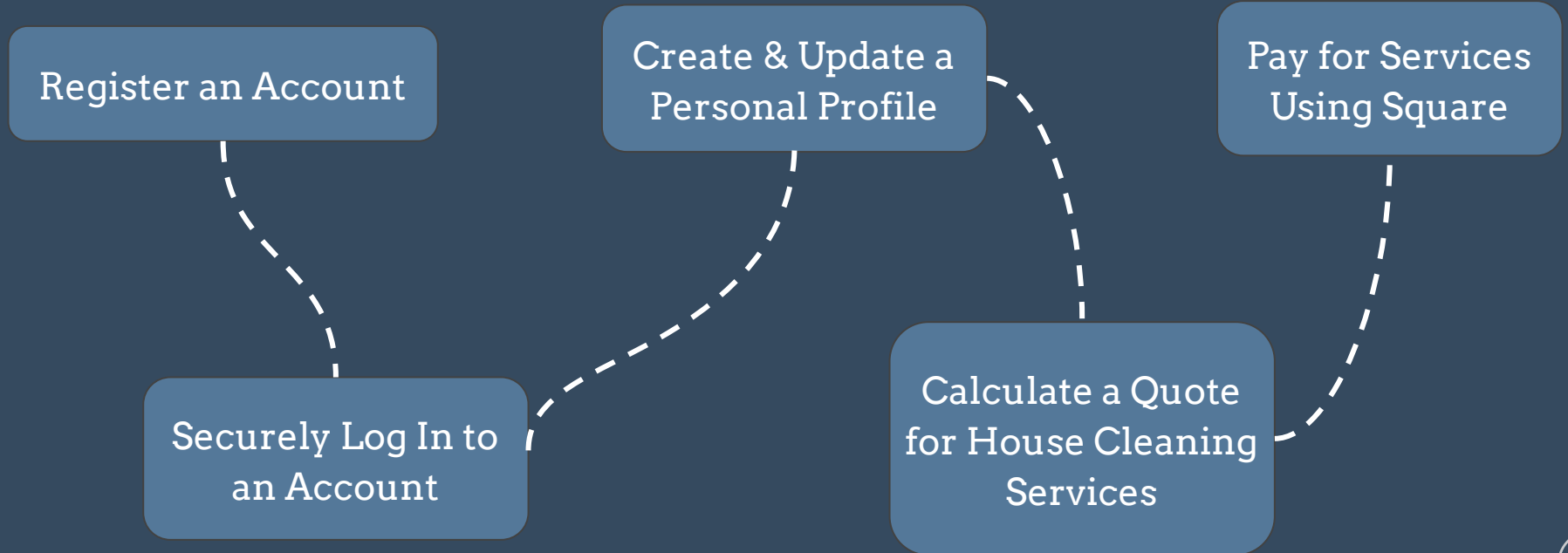
Unit Testing

Deployment

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
- Error Handling

User Stories

A user can...

Register an Account

Create & Update a Personal Profile

Pay for Services Using Square

Securely Log In to an Account

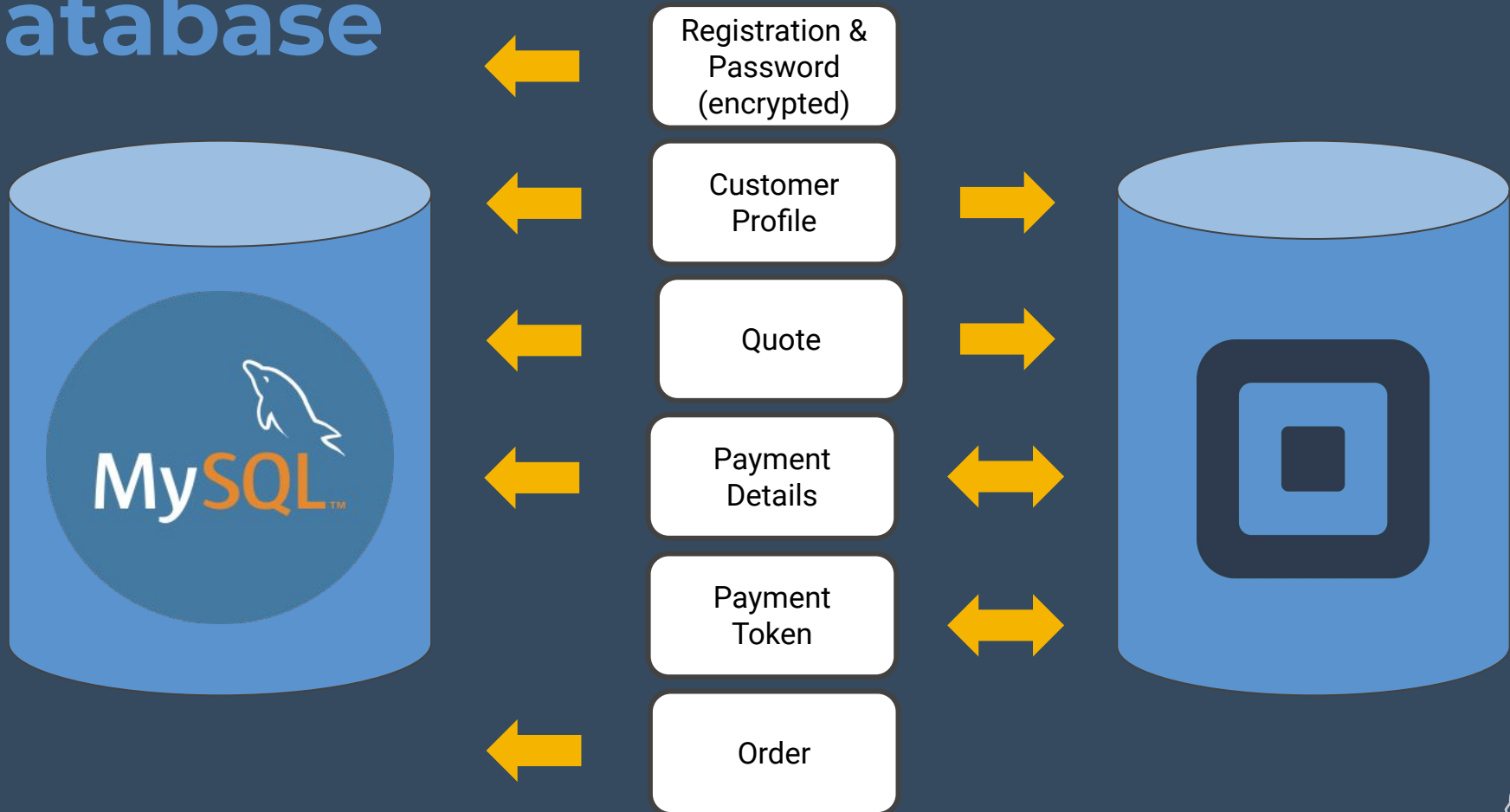Calculate a Quote for House Cleaning Services

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

Database

Planning - Databases

- On the back end, we set up local storage using MySQL to save all our quote information, and we set up the Square API to process our payments.

- The customer's registration and demographics profile are stored locally in mySQL

- When the customer creates a quote, it is saved as a new HTTP session and sent to the quote repository, so it can be used through the entire site and is stored when customer pays.

- All the payment details are taken at the time of payment. The payment goes through 3 separate API calls to tokenize the payment card, process the payment and update the payment status.

- While some information is sent through the Payments API call, we needed a way for the merchant to view everything

- So we set up persistence with the Payment Details which is sent locally to mySQL and Square.

- When an order is sent to Square successfully, it will save as a new order connected with the customer demographics, payment and quote details.

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
- Square integration
- Spring Security
- Dynamic user profile
- Agile
- Best practices in web development

What's Next

- **Order History**
  - Uses Square API info
- **Sharing Customer Data with API**
  - User only enter once
- **UI Changes**

Questions?