Shopping List Application

SE452 – Object Oriented Enterprise Application Development

Milestone 1

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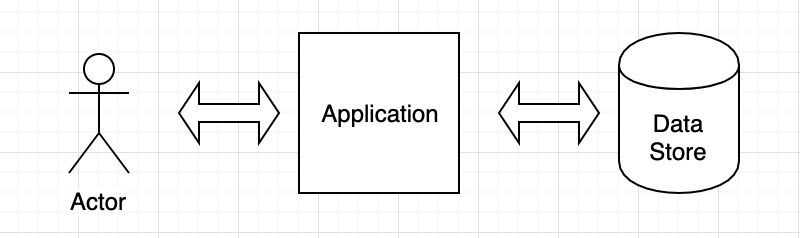
# Overview

The application is a web UI to allow people to create a shopping list and retrieve it later. The application supports basic features like adding, removing and updating items from the list, storing it for later use, and is able to share it with others via email. The application will also allow them to categorize the list by store for easier shopping.

# Requirements

## Use Case

Typical use of application:



User will use the application through the web UI to create necessary changes to their list, which will then be persisted in the data store for later retrieval or editing.

## Description of problem

Create an application that can be used by individuals to create a shopping list. Three basic pieces of functionality are listed below:

1. Add/view/remove/delete things to the list
   1. As a user, I would like to add items to the shopping list.
   2. As a user, I would like to remove items from the shopping list.
   3. As a user, I would like to update items on the shopping list.
   4. As a user, I would like to view items on the shopping list.
2. Categorize by store
   1. As a user, I would like to categorize the items on the shopping list by the store I enter.
   2. As a user, I want to sort items by the store.
   3. As a user, I want to filter the items by store.
3. Share via email
   1. As a user, I want to share my shopping list with other email addresses.

Additional Feature Requests (Currently out of scope)

1. Shopping list templates
   1. As a user, I want common items to be pre-populated on my list

# Design

## Sequence of major functionality

### Web UI (Common case)



## Table layout



There is only one table to fulfill the requirement for persistence.

## Deployment

All the classes were packaged into one deployment unit to keep things simple.



Queue: CalculatorQ

Data source: jdbc/sample

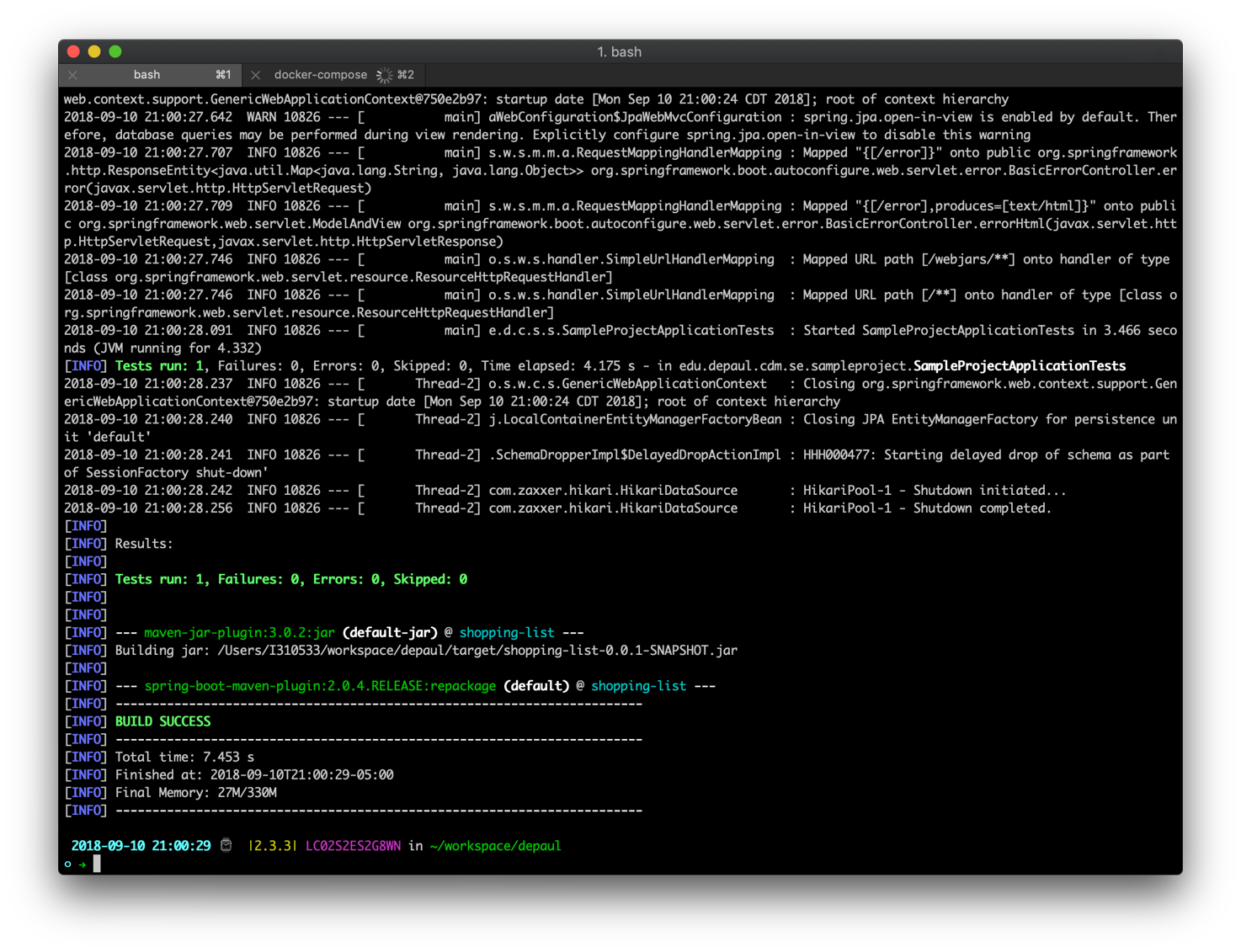
# Discussion of how your design met the requirements

This sample project did not meet the functional requirements but was created to validate the component interaction for different technology pieces.

This also serves as a reference document for other projects of basic expectation of the course project work

# Discussion of lessons learned

# Milestone Screenshot



# Decision Log

|  |  |  |  |
| --- | --- | --- | --- |
| **Problem** | **What was decided** | **Alternatives considered** | **Rationale** |
| Which IDE to use | Intellij | Eclipse, Netbeans | Intellij is free for students. Intellij is powerful and should make development easier. |
| Code repo | Github | None | Backup code to Github in case of catastrophic computer failure |
|  |  |  |  |
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