

Mobile Applications Final Project Design

App Information

App Title: The Flying Spaghetti Monster Brewery (TFSMB)

Top Bar: With our three screens and can switch between screens there.

Floating Action Button: On all pages and used to send an email to the store.

First Screen: Beer Selection

- Grid view of cards containing the beers information
- Be able to add beers to a cart
- Add beers to a favorites list

Second Screen: Cart Checkout

- Calendar View / Date Picker to choose a pickup date
- List of items in the cart
- Calculations showing the total of the cart

Third Screen: About Us

- Map View to show our location
- Reference URL to our website
- Information about the store

Database: TFSM DB

Table 1: Beer Inventory

- Id (Auto Increment)
- Image of the Beer
- Name of the Beer
- Price of the beer
- Remaining Quantity

Table 2: Orders

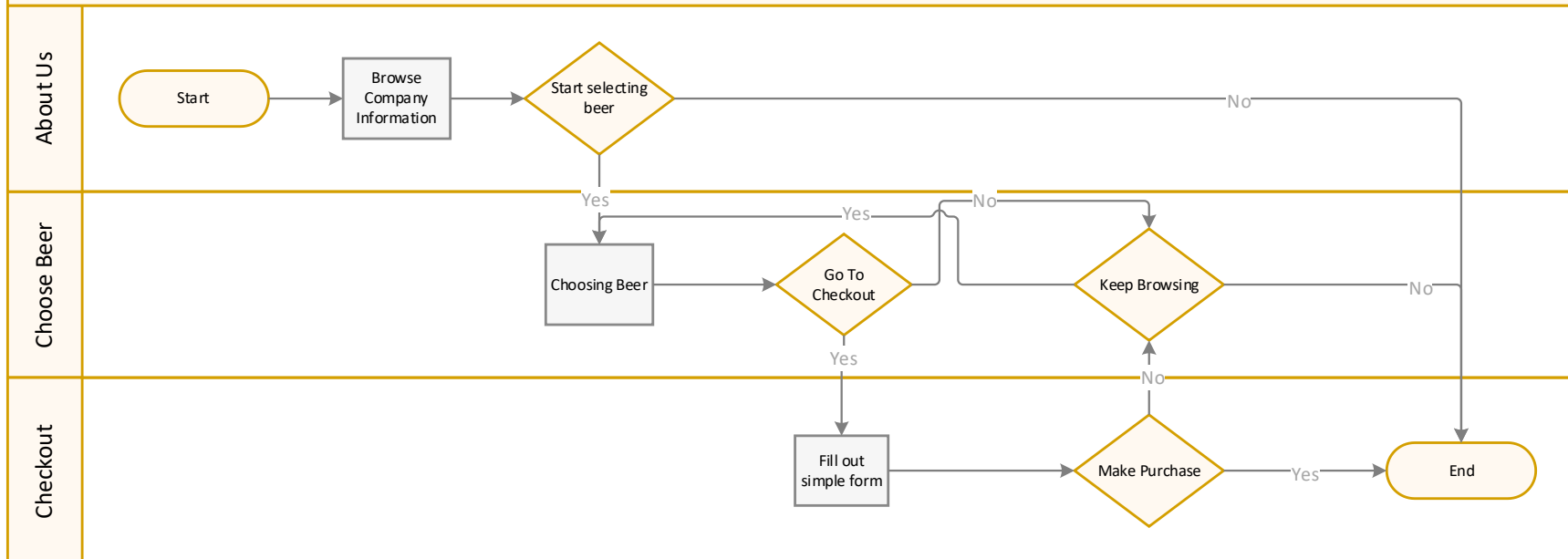
- Order Id (Auto Increment)
- Customer Email
- Customer Order
- Pickup Date

User Stories

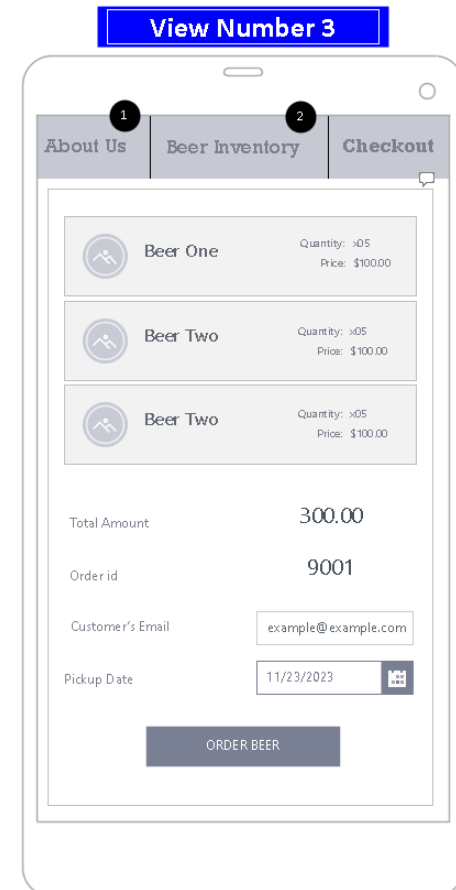
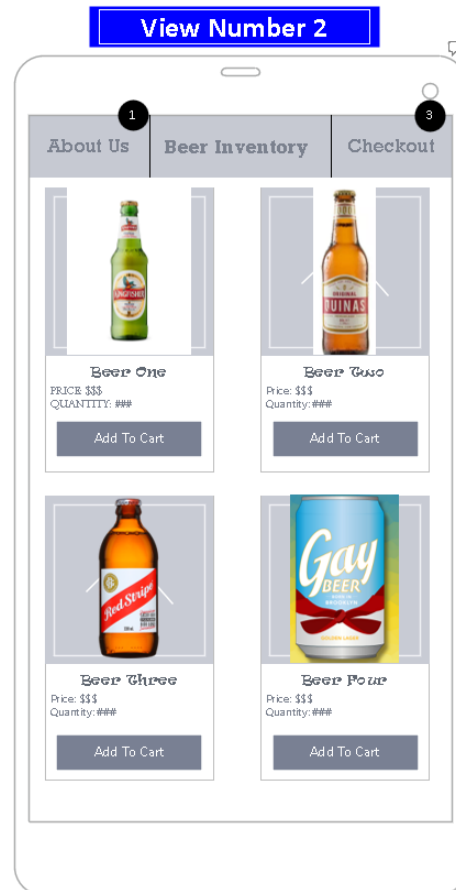
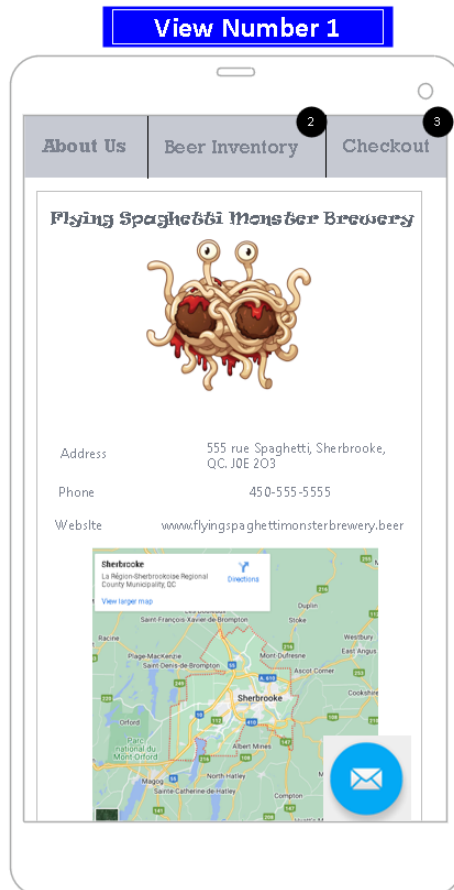
1. As a client, I want to be able to see information on The Flying Spaghetti Monster Brewery products so that I can decide if it is a good store.
2. As a user, I want to be able to search for available beer so that I can create order and drink.
3. As a client, I want to choose the type of beer I want to drink so that I can get drunk on something tasty.
4. As a client, I want to see the cost of each available beer so that I can decide if it's within my budget.
5. As a client, I want to pay for my beer at check-out at The Flying Spaghetti Monster Brewery so that it is paid for, and I don't need to think about it.
6. As a client, I want to be able to cancel my beer selection before purchase without a fee so that I can make a new selection.
7. As a client, I want to be able to select a pickup date so that I can plan what time is best for me.
8. As a client, I want to be able to contact the store by email, when clicking the floating button, so that I can get answers to my questions.
9. As a client, I want to be able to use the application offline to select my beers and then pay for them when being online so that I can prepare my order while not having internet.
10. As a client, I want to be able to find the location of The Flying Spaghetti Monster Brewery easily so that I can plan my route for the pickup.
11. As the owner, I want to be able to see all reservations for any given day with the total incoming revenue.
12. As a client, I want to receive a confirmation email after I make a purchase, so that I have a record of my transaction.
13. As the owner, I want to be able to see all reservations for any given day with the total incoming revenue.

Activity Diagram

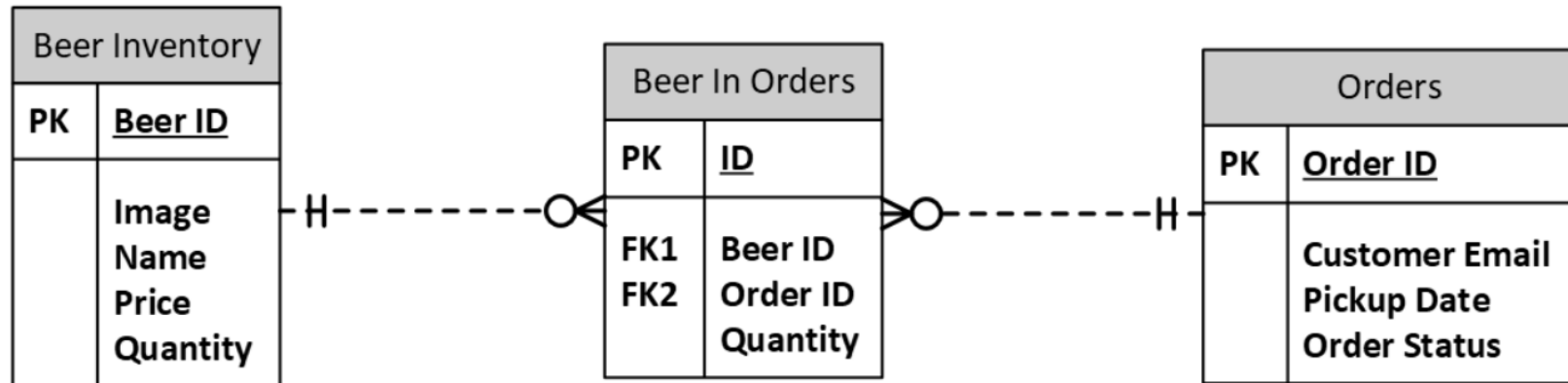
Flying Spaghetti Monster Brewery App Flowchart



Mockups



Database Design



User Acceptance Tests

User Story	Acceptance criteria	ID	Test Summary	Manual/ Auto	Status	QA	UAT
FSM1 - Access the App's main page	Open the app to the first screen "About Us"	FSM1.1	Happy path: Successfully opened the app to the main page.	Manual	Needed		
FSM2 – Browse for Available Beer	Click the "Beer Selection" tab and navigate to browse the beer selection.	FSM2.1	Happy path: Successfully switched to Beer selection screen.	Manual	Needed		
FSM3 – Adding Beer	Adding beer to the cart.	FSM3.1	Happy path: Successfully adding beer to the cart	Manual	Needed		
FSM4 – See cart of selected beer	Click the "Checkout" tab and navigate to see the cart total	FSM4.1	Happy path: Successfully switched to Checkout screen.	Manual	Needed		
FSM5 - Fill the user information in the Cart view	Be able to submit all the information regarding the beer pickup.	FSM5.1	Happy path: Properly select the pickup date	Manual	Needed		
FSM6 – Remove beer from order	Be able to remove beer from your cart in the Checkout screen	FSM6.1	Happy path: Successfully removed beer from the cart	Manual	Needed		
FSM7 – Send email to customer support	On the About Us page click the floating action button to create a support email.	FSM7.1	Happy path: The button is interactable and sends an email to customer support.	Manual	Needed		