1 Software Requirement Specification

1. Introduction

1.1 Aim of the document
The document describes the system, what functionality it provides to users and what they expect from the system. It contains information that can help developers and testers during their job.

1.2 Overview of the defined system
The system is an application to exchange cocktail recipes among users.

In particular there are three types of user: the guest, the registered user and the administrator. Guests don't need registration, but they can only browse non-alcoholic drinks, and search among them using tags. Registered users can see non-alcoholic and, only if they are adults, alcoholic drinks; they can search among them and rate them, they can also post cocktails' recipes and photos, save preferences and receive advice about drinks they might like. Administrators can do the same things as adult registered users, but they can also delete anyone's posts to enforce the service's rules and promote adult registered users to administrators.

1.3 Operational settings
The system is built within the Java ecosystem, so it can be deployed on virtually any platform. Users can interact with the system either using the desktop application or JSP web-app.

1.4 Related systems (at least 2), Pros and Cons.
There are already various applications that deal with cocktails, but they are simply archives containing "official" — or rather traditional — recipes, as *My Cocktail Bar Guide* or *Cocktail recipe*; this system instead will increase focus on the "social" aspect, allowing all registered users to interact among them by posting their original creations and variations of already known recipes.

Other social networks — e.g. Facebook, Instagram — already enable their users to socialize by posting any type of content, rendering the usage of these systems applied to a specific domain either limited, difficult or even impossible; while some already existing social networks allow for creation of groups dedicated exclusively to certain topics, their "general purpose" nature means a lack of browsing tools dedicated to one specific domain and a low degree of extensibility for users implementing such tools themselves. Unlike these social networks, the proposed system is entirely dedicated to content regarding cocktails and as such offers browsing tools that improve user experience compared to other competitors' offerings.

2. User stories

A:
• As an administrator user, I want to delete unsuitable posts, to respect the service's rules.
• As a guest user, I want to search cocktails, so I can reproduce them at home.
• As a registered user, I want to add tags on my posts, so other users can find them easily.

F:
• As a registered user, I want to post drinks I invented, so I can receive feedback from other users.
• As a registered user, I want to receive advice on cocktails I might like, so I can discover new drinks.
• As an allergic user, I want to find cocktails that do not contain substances I'm allergic to, so I can drink safely.

R:
• As an administrator user, I want to upgrade to administrator an adult registered user, so I can be helped in daily management.
• As a registered user, I want to rate cocktails posted by other users.
• As a guest user, I want to register to the system, so that I can also see alcoholic cocktails.
• As a registered user, I want to search cocktails basing on their colors.

3. Functional requirements

A:
• The system shall allow cocktail bars to manage their location.
• The system shall allow cocktail bars to be sponsored.
• The system shall allow to login as guest user.

F:
• The system shall allow registered users to post cocktail photos and recipes.
• The system shall allow registered users to rate cocktails posted by other users.
• The system shall allow users to filter cocktails by ingredients, colour, alcohol content, **mixing*** and **taste***.
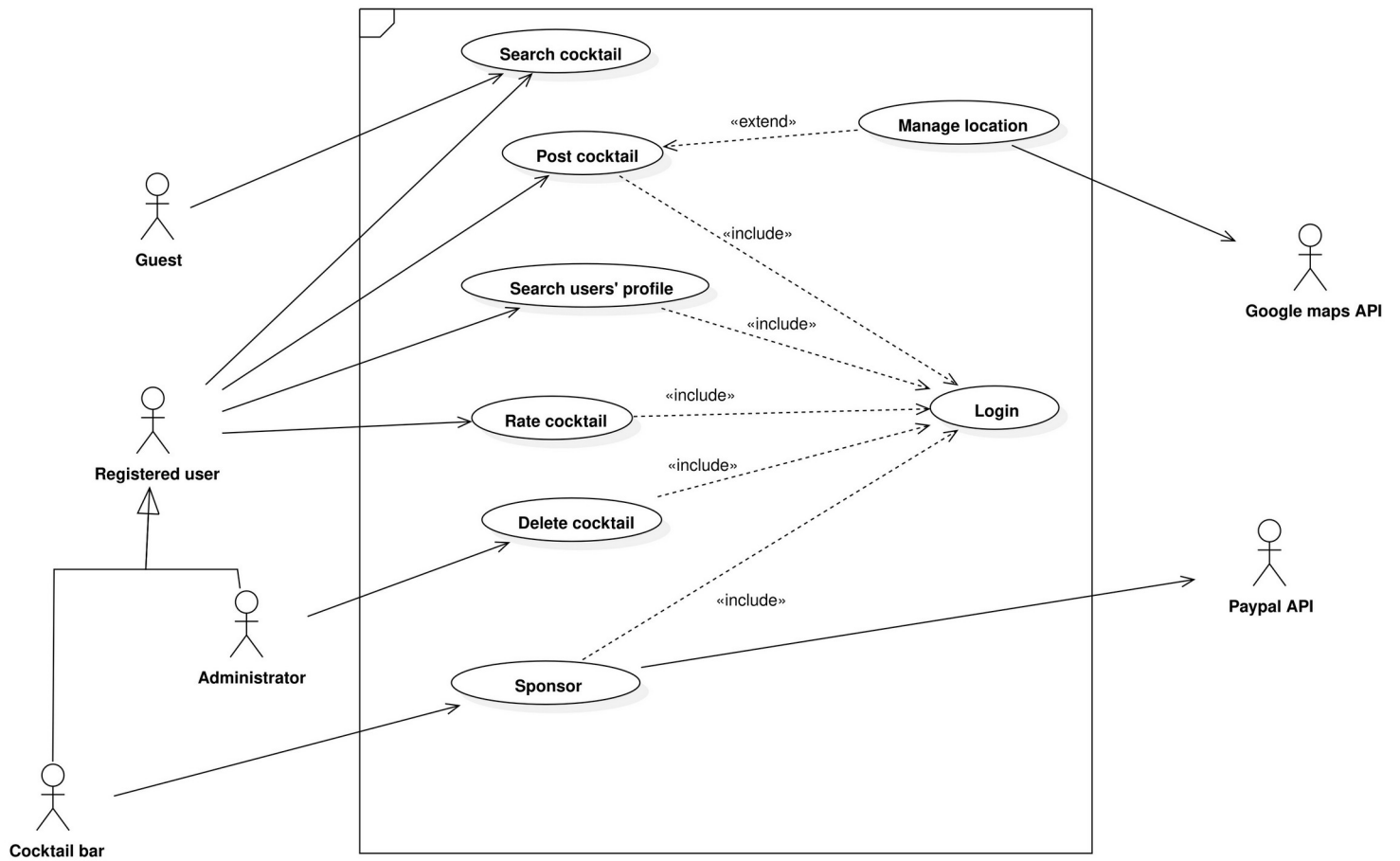
R:
• The system shall allow registered users to to search cocktail bars by position.
• The system shall allow registered users to see cocktail photos and recipes.
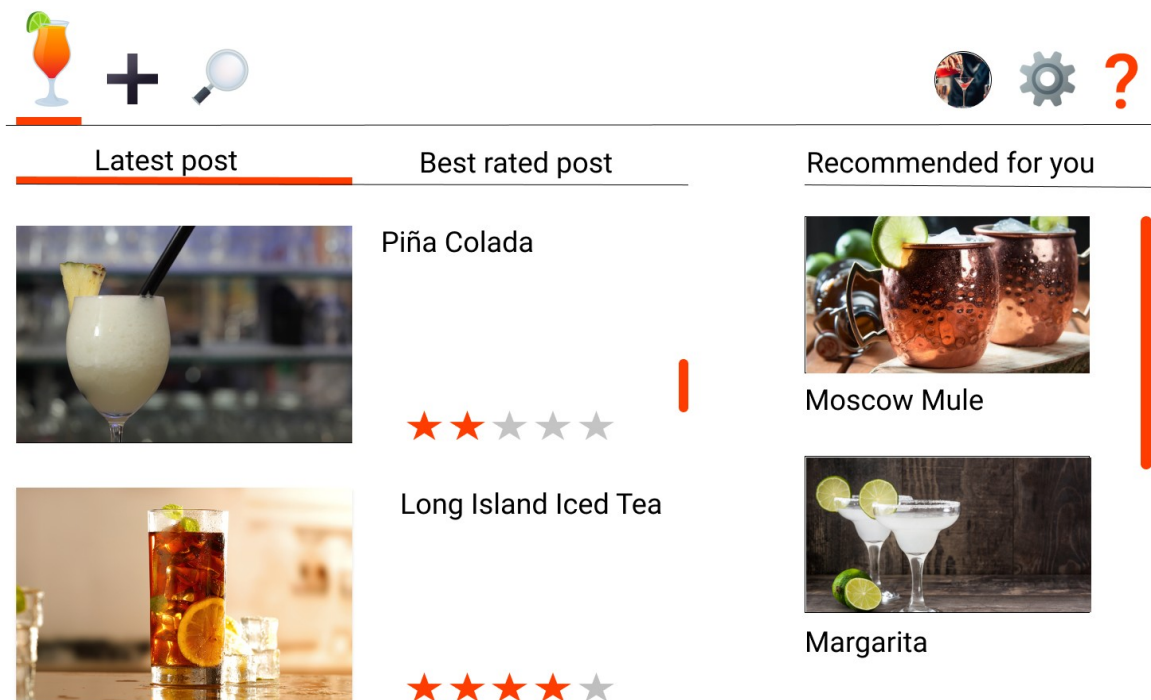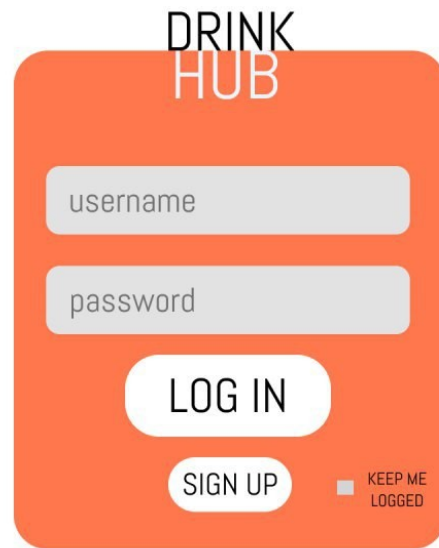• The system shall provide to users' registration.

*Taste: dry, sweet, bitter, fruity, smoky.
*Mixing: liquid, creamy, frozen, crushed.

4. Use Cases: Overview Diagram

2 Storyboards

Moscow Mule

Ingredients:

1 ½ oz Vodka
1/2 oz succo di lime
4 oz ginger beer

Tags:

Vodka
Lime
Ginger beer

★★★★☆   RATE

Latest post   Best rated post   Recommended for you

Search by:

NAME

LOCATION

Long Island Iced Tea

Moscow Mule

Margarita

★★★★☆

Latest post

Best rated post

Recommended for you

Cuba Libre

★★★★★

Mojito

★★★★★

Moscow Mule

Margarita
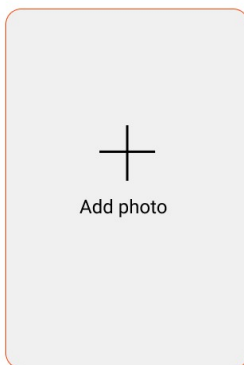
Name:

Ingredients:

ADD INGREDIENT
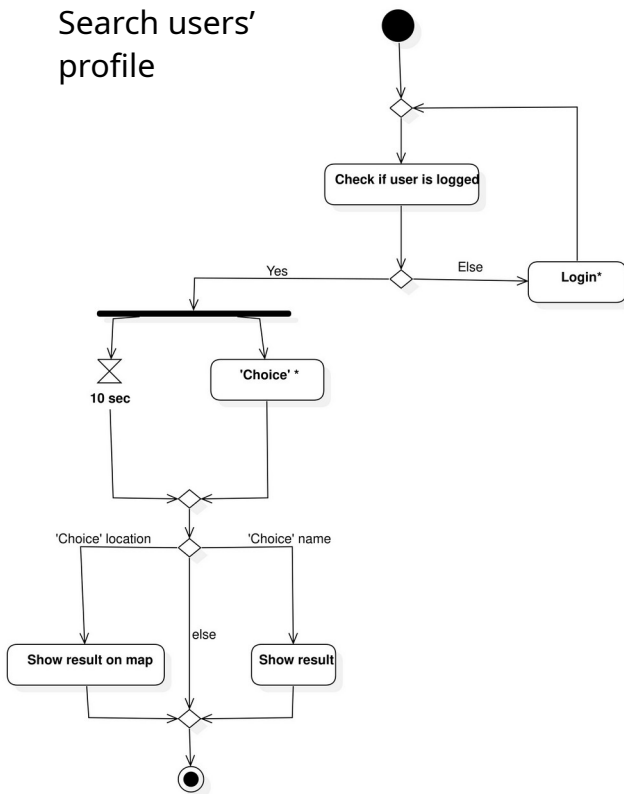
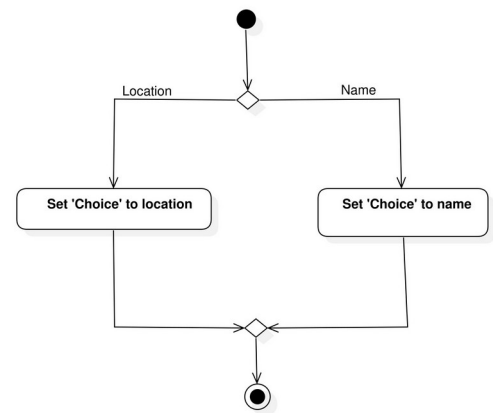**Tags:**

ADD TAG

Add photo

DONE

3 Design

- **Activity diagram**
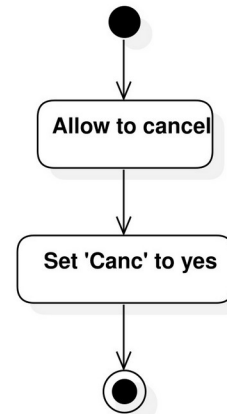
A:

Search users'
profile

Choice*

F:

Delete post

Cancel*

Check if user is logged

Else

Yes

Login *

Else

Administrator

Allow to delete post

5 seconds

Cancel *

'Canc': yes

Else

Delete post

Allow to cancel

Set 'Canc' to yes

R:

Sponsor

Check if user is logged

*Log in

[User not logged]

[User logged]

Sponsorship duration

Payment calculation

[Not accepted]

[Accepted]

*Payment

5 sec

Cancel

[Cancel pressed]

Else

Show sponsored profile

Payment*

Paypal log in

[Log in error]

Else

Confirm payment

[Not accepted]

[Accepted]

Login*

Else

[Local-browser empty]

Insert username

Insert password

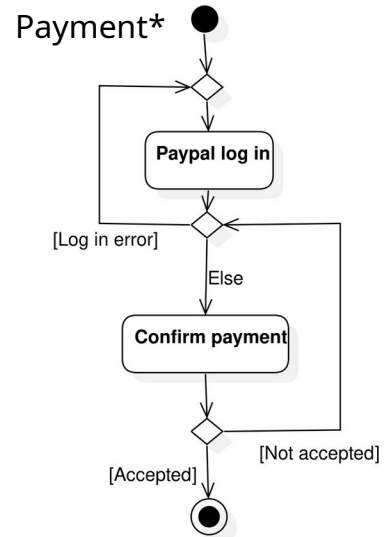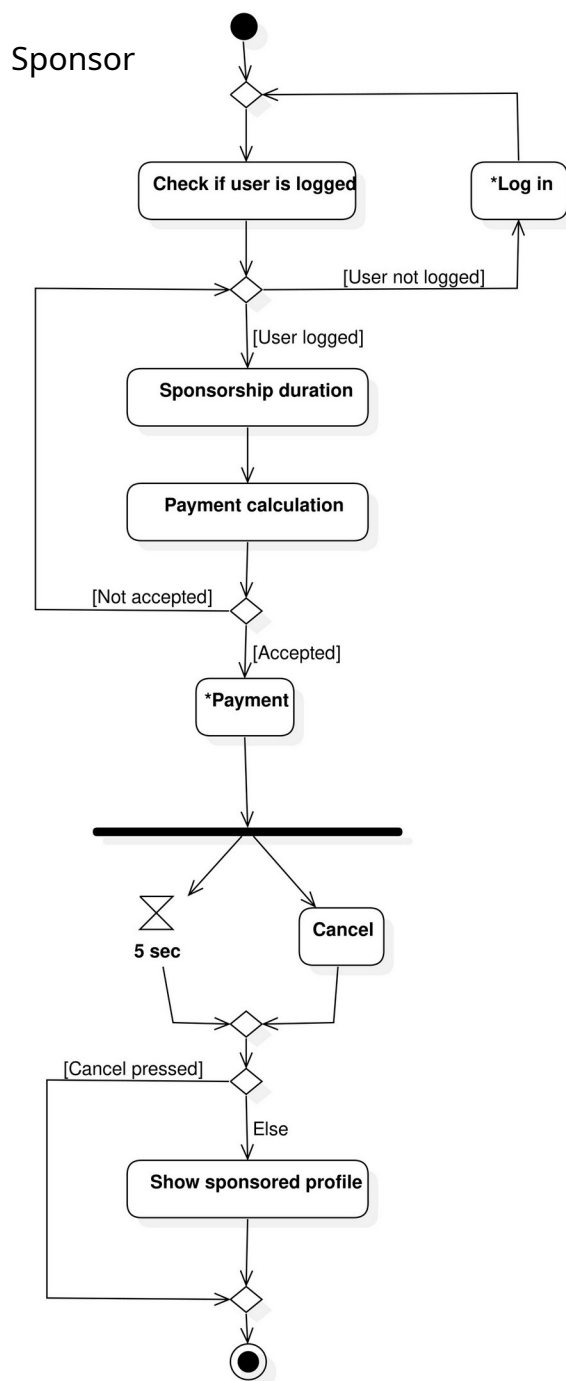[Access denied]

[Access allowed]
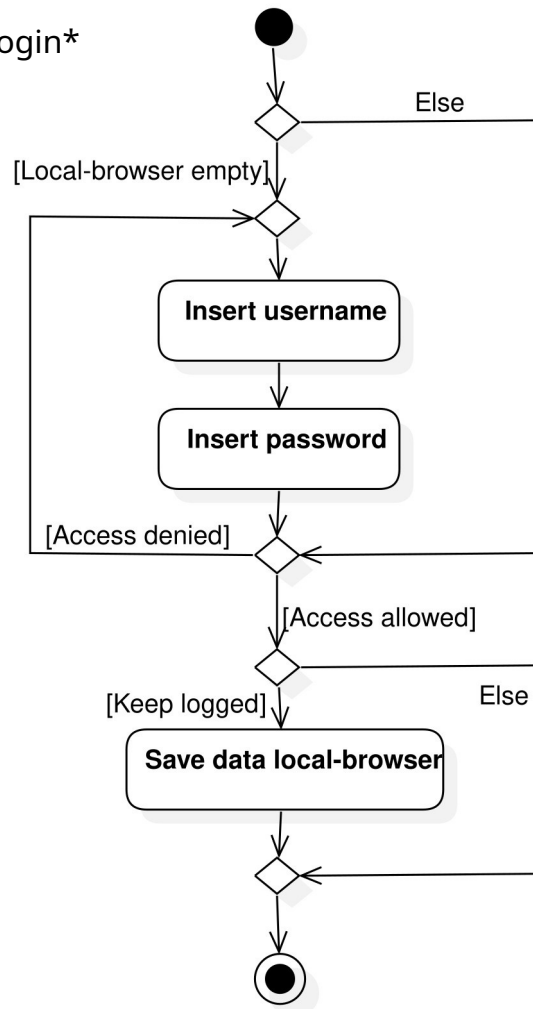
[Keep logged]

Else

Save data local-browser

5 Code

- **SVN + Travis + SonarCloud**

https://sonarcloud.io/dashboard?id=adrianomorini_TestSonarCloud1