Survey Ape Report

Web based survey application

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Introduction

SurveyApe is a web based survey app that provides survey composition, distribution, and reporting. The app is hosted on Amazon AWS and accessible from any web browser. The application is written in Java and built from Spring framework.

The application can be accessed from
http://ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/
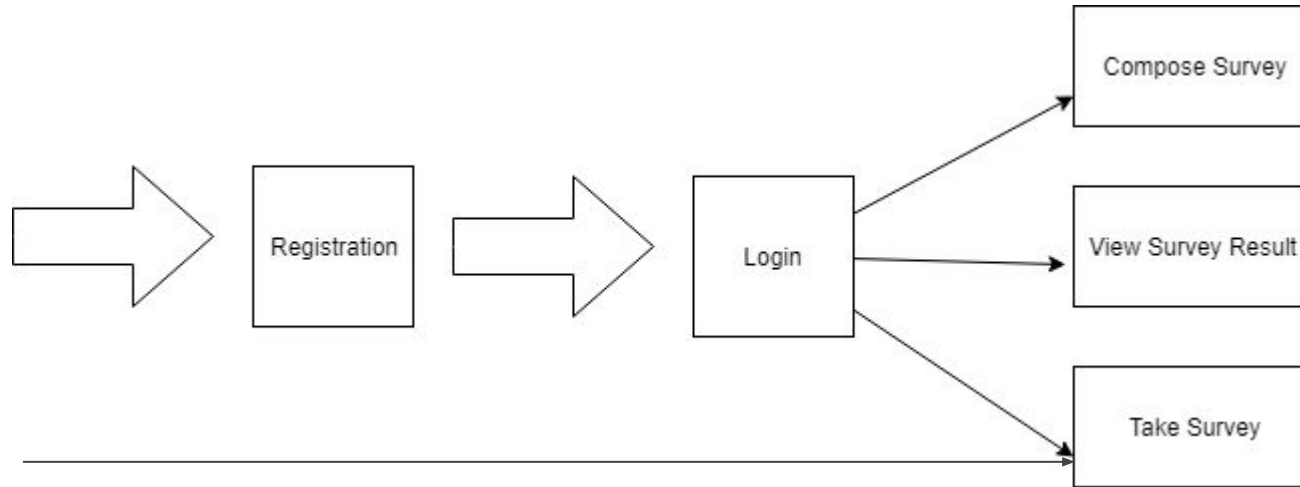
Technology

- Bootstrap(HTML, CSS, Javascript)
- Spring Thymleaf
- Spring Boot(Spring MVC, DI, AOP, MVC, ORM, security and transactions)
- MySQL
- Amazon EC2

We use Bootstrap and Spring thymleaf for front end. Spring Boot and relevant Spring technologies for back end. MySQL as database server and Amazon EC2 for hosting the service.
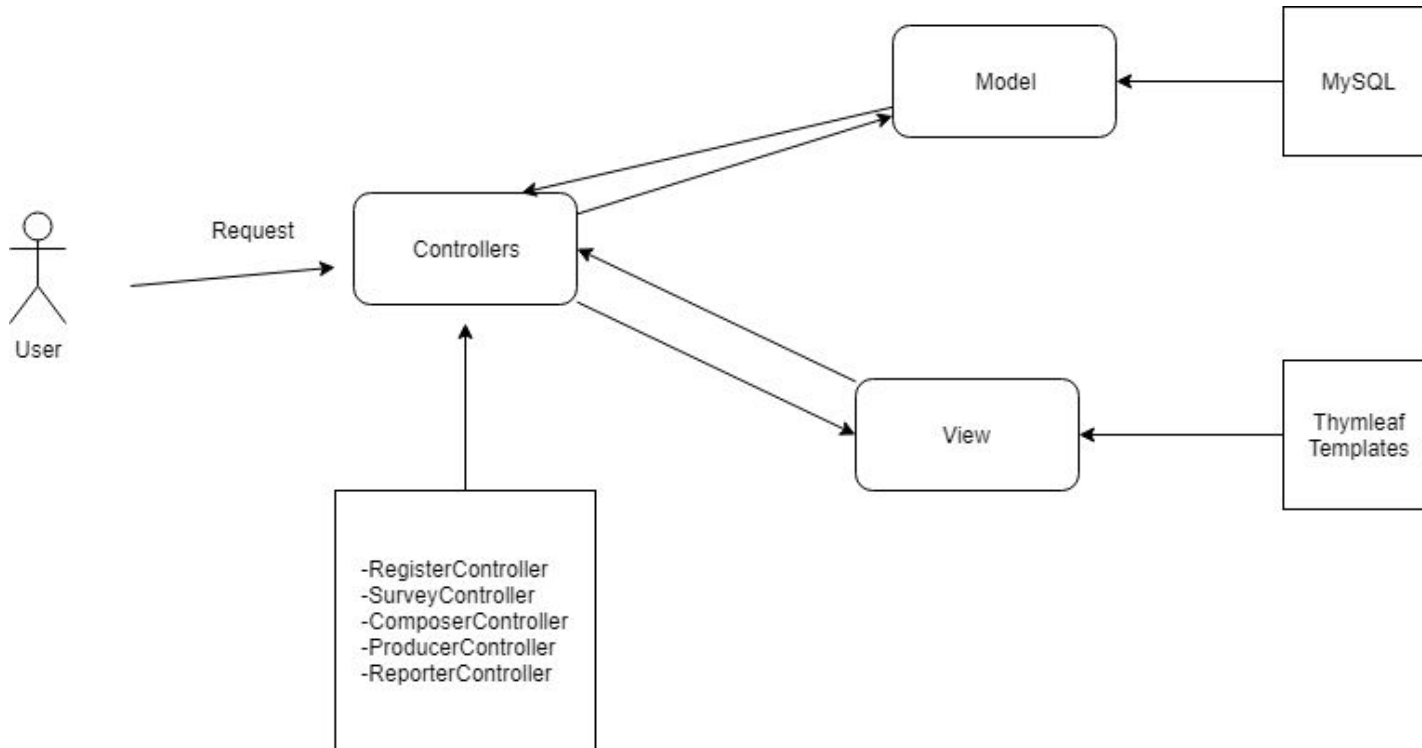
Workflow

User has to be registered in order to use any services provided by the application. There is no need to register when accessing a general survey.
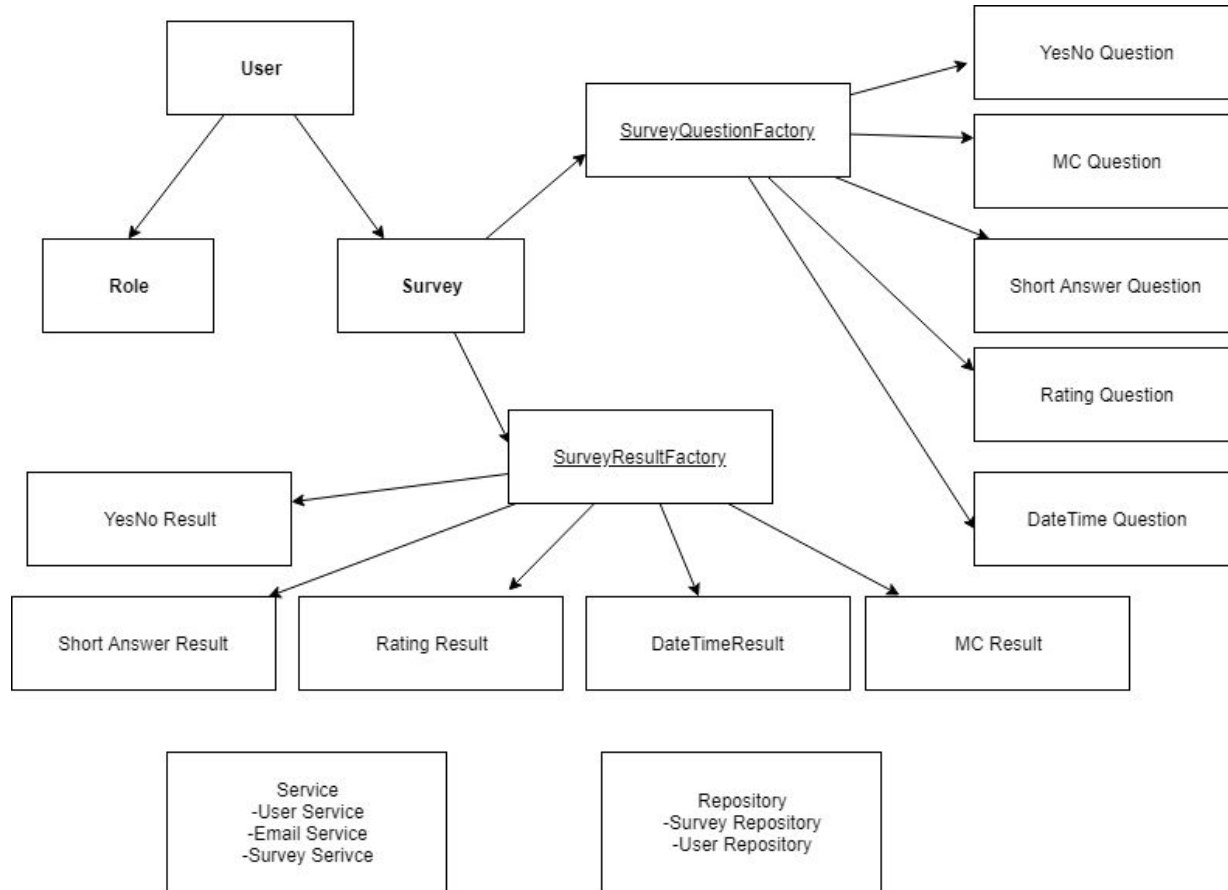
Architecture

The application uses the MVC architecture, where we implement sets of controllers to dispatching/managing the user requests and domain services.

Domain Components

- User and Role are responsible for access control and authentication

- Each user has a list of surveys that encapsulate survey questions and results

- Different types of questions(MC, rating, short answer) etc are generated through factories

- Services and Repositories are also provided from Spring JPA and hibernate annotation

Features: Main page

Welcome!

Create a new survey

View surveys

Take surveys

Edit surveys

Register

Activate Account

Sign Out

Main page provides all the core features of the application.

This is the main entry point of the application and can be accessed via:

http://ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/

Features: Registration and authentication

User Registration

First Name

Last Name

Email

Password

Confirm Password

Register

Activate Account

Activate

User needs to register the account in order to use the service provided by the application.

Once registered, a confirmation code will be sent to user's email. User has to enter the code to activate the account.

Features: create survey

Welcome!

Create a new survey
View surveys
Take surveys
Edit surveys

Register
Activate Account

Sign Out

Compose Survey

Current questions:

Survey Name [Survey Name]

Survey Type [General ▾]

[submit]

Add a new question

Question Type [YesNo ▾]

[Add Question]

-User can create new survey via "Create a new Survey".
-User can specify the Survey Name and Survey type of General, Closed, Open

-User can add multiple choice, short answer, yes no, date, and rating question

Features: take survey

Available Surveys

Sample MC Survey
Survey Name
Sample Closed
Cat Survey
Sample Java Survey 111

Completed Surveys

View completed surveys

Survey Name: Sample MC Survey

Survey Name: Cat Survey

Survey Name: Cat Survey

Survey Name: Cat Survey

Survey Name: Cat Survey

Survey Name: Cat Survey

Survey Name: Cat Survey

Welcome!

Create a new survey

View surveys

Take surveys

Edit surveys

Register

Activate Account

Sign Out

-User can take survey via "Take Surveys" -> "Available Surveys" or given URL

-User can see the completed surveys from "Completed Surveys"

Features: view survey result

Welcome!

Create a new survey

View surveys

Take surveys

Edit surveys

Register

Activate Account

Sign Out

View Survey Results

- Sample Closed
- Sample MC Survey
- Cat Survey

Survey Result

Question: Like Cat?

Yes: 2

No: 0

Question: How pretty is your cat?

One: 0

Two: 0

Three: 0

Four: 0

Five: 2

Question: Any comment for your cat?

Bad

so bad

User can access the survey results from main entry point.

Features: edit survey

Welcome!

Create a new survey

View surveys

Take surveys

Edit surveys

Register

Activate Account

Sign Out

Edit Survey

Survey

Sample Java Survey 111 ▾

edit survey

User can edit and re-publish existing surveys

Testing Plans

The following testing plans will be executed:

-User registration

-Create a general survey

-Take Survey

-View survey results

-Edit Survey

-Create a closed survey

Testing Plans: User Registration

Steps:

-Access app through http://ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/

-Click "Register" and provide information and password

-Click "Register", a confirmation code will be sent to the email

-Go to email to retrieve the confirmation code

-Go to http://ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/ and click "Activate Account"

-Enter the confirmation code

Testing Plans: Create survey

Steps:

-Go to main page and click "Create a new survey", provide credential to log in

-Click "Add a Question" to add a YesNo Question

-Enter the question and click "add yes no"

-Choose "Short Answer" to add a ShortAnswer Question

-Enter the Survey Name for the survey

-Use "General" as survey type

Add Question

Yes No

Question: do you like java?

add yesno

Compose Survey

Current questions:

do you like java?
What is your comment on java?
Survey Name Sample Java Survey 111

Survey Type General ▾

submit

Add a new question

Question Type YesNo ▾

Add Question

Testing Plans: Create survey

Steps:

-Click "Submit"

-A survey is created and the corresponding URL is provided to access the survey

Current questions:

Do you like java?
What is your comment on java?

The survey is created and can be access at: http://ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/general?token=e12462ed-213b-4d62-978a-ddf79ad903f0

Testing Plans: Take survey

Steps:

-Access the survey from the generated URL, the survey can also be accessed from "Take Survey" -> "Available Surveys"

-Answer the questions one by one

Question: What is your comment on java?

Short Answer: Java is nice

submit short

ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/general?token=e12462ed-213b-4d62-978a-ddf79ad903f0

Question: Do you like java?

YesNo Type: true ▾

submit yesno

Completed!

Testing Plans: View survey

Steps:

-Go the the home page and Click "View Survey"

-Click on the survey to watch results

ⓘ ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/report

View Survey Results

- Sample Java Survey 111

Survey Result

Question: Do you like java?

Yes: 1

No: 0

Question: What is your comment on java?

Java is nice

Total Participation

2

Testing Plans: Edit Survey

Steps:

-Go the the home page and Click "Edit Survey"

-Add a new rating question to the existing survey

-Click "Submit"

-The survey is regenerated with the newly added question

Edit Survey

Survey

Sample Java Survey 111 ▾

edit survey

Compose Survey

Current questions:

Do you like java?
What is your comment on java?
How would you rate Java?
Survey Name Sample Java Survey 111

Survey Type General ▾

submit

Add a new question

Question Type YesNo ▾

Add Question

Survey Result

Question: Do you like java?

Yes: 2

No: 0

Question: What is your comment on java?

Java is nice

Java is cool

Question: How would you rate Java?

One: 0

Two: 0

Three: 0

Four: 1

Five: 0

Total Participation

5

Testing Plans: Closed Survey

Steps:

-Create a new Survey

-Add a YesNo Question

-Choose the survey type as "Closed"

-Enter the survey name

-Click "Submit"

-Provide the user email to send the surveys to. Multiple users email are separated by comma: e.g. "xxx1@gmail.com,xxx2@gmail.com"

-Go to the email to take the survey

Compose Survey

Current questions:

Do you like python?

Survey Name Sample Closed 111

Survey Type Closed ▼

submit

Add a new question

Question Type YesNo ▼

Add Question

Please provide the emails to send to

Emails

If more than 1 user, please separate emails by comma

chingyeung.fang@sjsu.edu

submit

cmpe275termproject2018@gmail.com   3:33 PM (1 minute ago)
to me ▾

The survey is created and can be access at: http://ec2-54-183-219-205.us-west-1.compute.amazonaws.com:8080/closed?token=eb9c4fcb-fad2-4a58-b2f1-960dd1681015