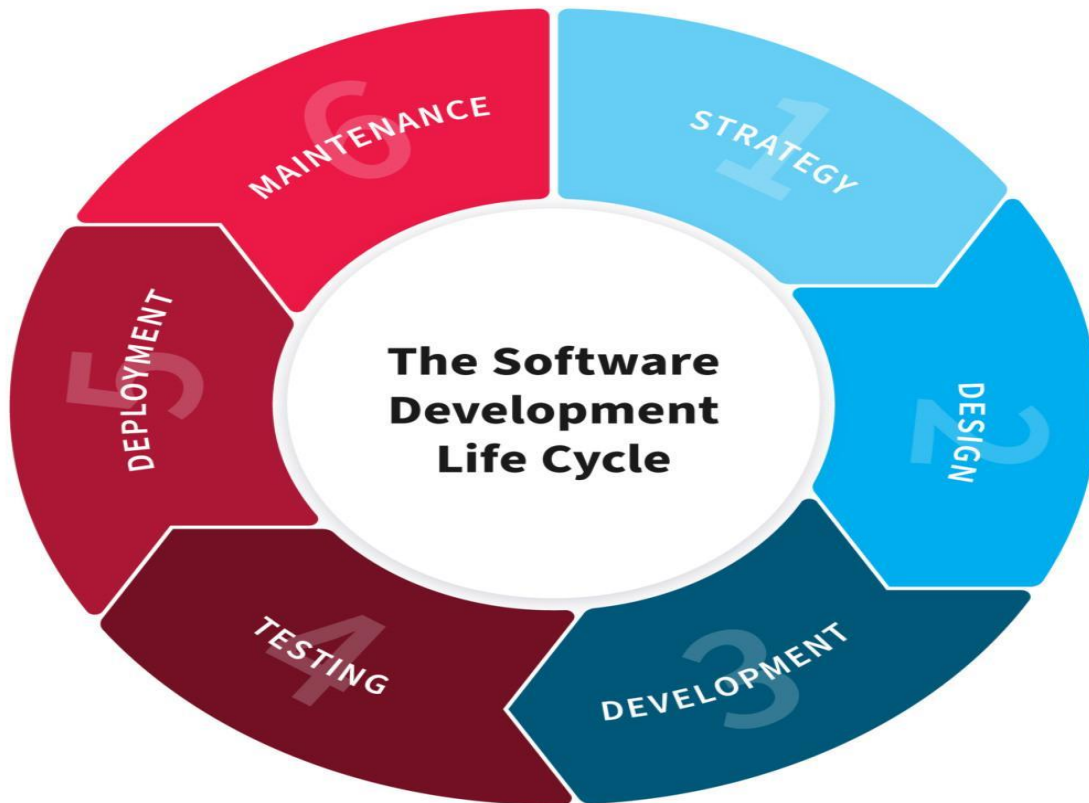


FORMAT TO REPORT YOUR ADVANCED JAVA PROGRAMMING PROJECTS



NB: EVERY STUDENT HAS TO PRODUCE THIS DOC:

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CLASS NO: 34

PROJECT NAME: SMART CITY GUIDE

1. PLANNING

“In this Section, Students, have to define the system (your projects) goals and objectives and the problems the future system needs to solve.”

Introduction

my project is Smart city guide which is web based software system built to store all essential details and guides people in need for all city infrastructure like hospital, schools, markets, banks, etc. Cities and urban areas witness a massive wave of people coming from every corner in search of jobs, education, and even a better lifestyle and it's very hard to cope with the situation found and this system has an answer.

Goal and objectives

The goal of smart city guide is to seek address that by creating an integrated platform to store essential and related information to guide newcomers in a city. As is a web-based product used to store the details of particular city and helps all the users who just visit our system it will have a big impact hence smart life style.

Problem system needs to solve

the person who are visiting a particular city need to gather information from the person who is staying in the city or take the help of the guide in the city. Gather all this information you need to visit the city. This possesses a lot of time and pre-planning. In order to get each piece of information we need to go for help desk.

2. Design

2.1 Users of the System

- Tourists, students ,Businessmen
- Admin
- Industrialists, Entrepreneur, Organizations academicians etc.
- Jobseeker

2.2. Specific Requirements

Functional and Non Functional Requirements

Functional Requirements:

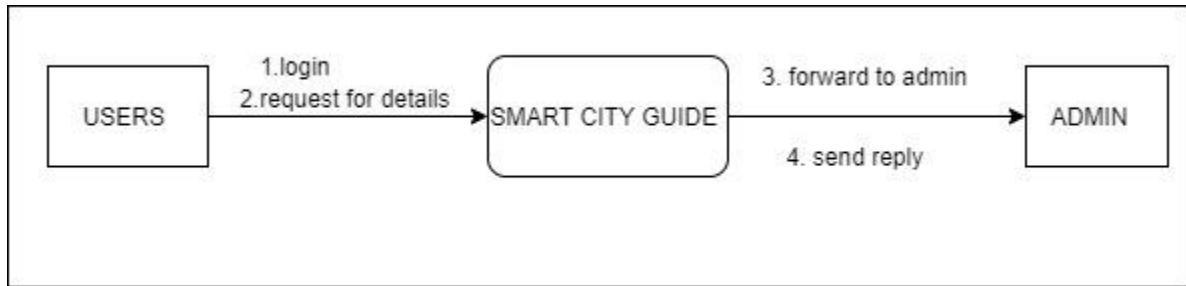
- Complete overview of the Businesses in the city.
- Secure registration of all users
- Complete Search of the entire city for easy access.
- Local language support at user-interface and database-level.
- Facilitate communication between user, experts and general public through comment

Non-Functional Requirements:

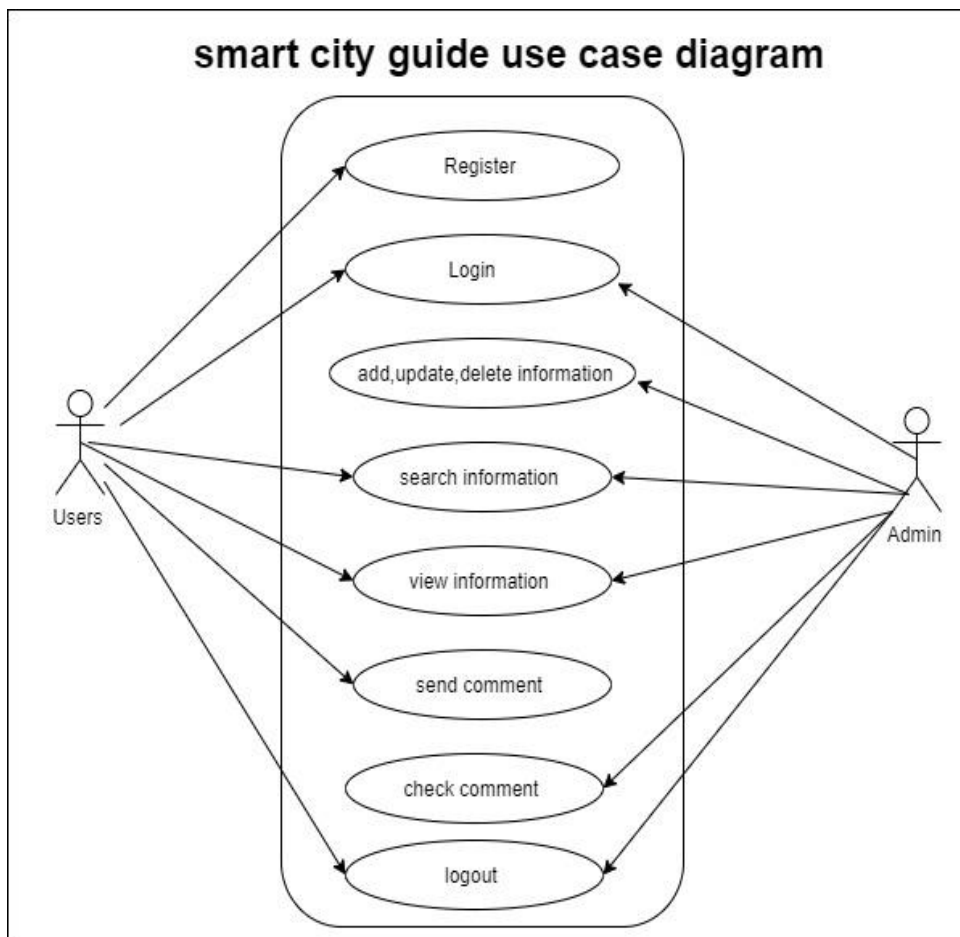
- 24*7 availability
- Better component design to get better performance at peak time
- Flexible service based architecture will be highly desirable for future extension.

2.3 DESIGN

2.3.1 DFD LEVEL 0



2.3.2 USE CASE DIAGRAM



3. DEVELOPMENT

- We developed the system backend and frontend parts using java programming language as well as NetBeans IDE and xampp for database.
- For frontend parts, we used swing controls generated from NetBeans to create forms, buttons, labels as well as user interface as whole.
- We used MySQL as database management system to hold backend data.
- We create interactions between user interface components such as forms and buttons using java programming language syntaxes.
- We used com.mysql.jdbc_5.1.5.jar as library handling MYSQL connection with the system and also absolute layout.jar.

4. TESTING

Test case Number:1 Program: Registration

Sl. No	Test Case Name	Input	Expected Output	Actual Output	Valid/Invalid

1	Email id value	Sriram.mail.com	Mail id should be in the format of sriram@gmail.com	Id mail entered is invalid	Invalid
	Email id value	sriram@gmail.com	Mail id is in the form of sriram@gmail.com	Valid mail id	valid
2	First name& last name	<ul style="list-style-type: none"> • Ka • Ka123 	Name should be greater than 2 alphabet and also name should not contain number	Names entered is invalid	Invalid
	First name& last name	<ul style="list-style-type: none"> • Kunda • pauline 	Name should be greater than 2 alphabet and also name should not contain number	Valid name	Valid
3	Password				
Sl.No	Test case Name	Input	Expected Output	Actual Output	Valid/output

1	UserId and password	Sriram has registered as student	Student home page should be opened	If went tourist home page invalid	Invalid
		Sriram has registered as student	Student Home page must be displayed	If went to student home page	Valid

5. DEPLOYMENT

- I Installed MYSQL as database management system using XAMPP software.
- I Downloaded and configured com.mysql.jdbc_5.1.5.jar as library handling MYSQL connection.
- Use portable storage device to transfer project from development computer to the user who want to explore application.
- I tested my city guide by entering wrong data to see if it won't work and by entering right data to see if it will work well.
- After testing it I Run project file and start using the system

