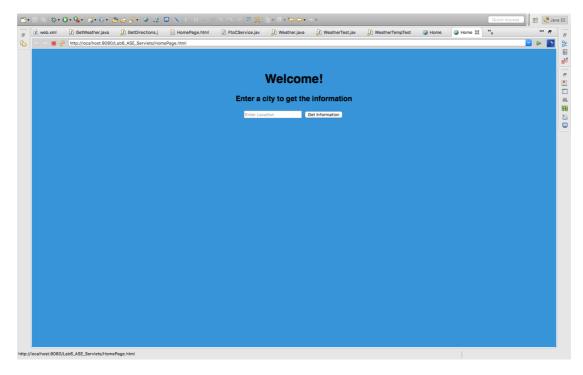
# ASSIGNMENT – 6 ADVANCED SOFTWARE ENGINEERING

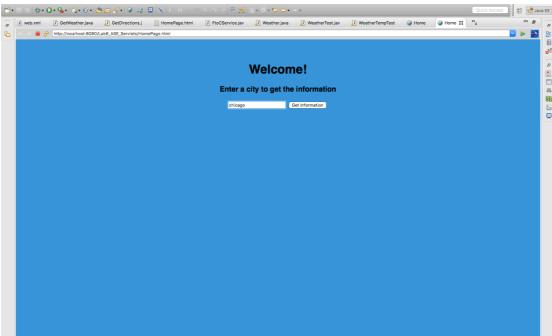
## **SERVLETS MASHUP**

- This application intends to give the basic information of a city entered by the user.
- It makes use of **Openweathermap** API to give the weather details, **Wikipedia** API to give the information about the city.
- This application consists of two pages:
  - 1. Enter the name of a city to get the basic information.
  - 2. Displays the information about the city.
- Junit Testing is done on both failure and success cases.

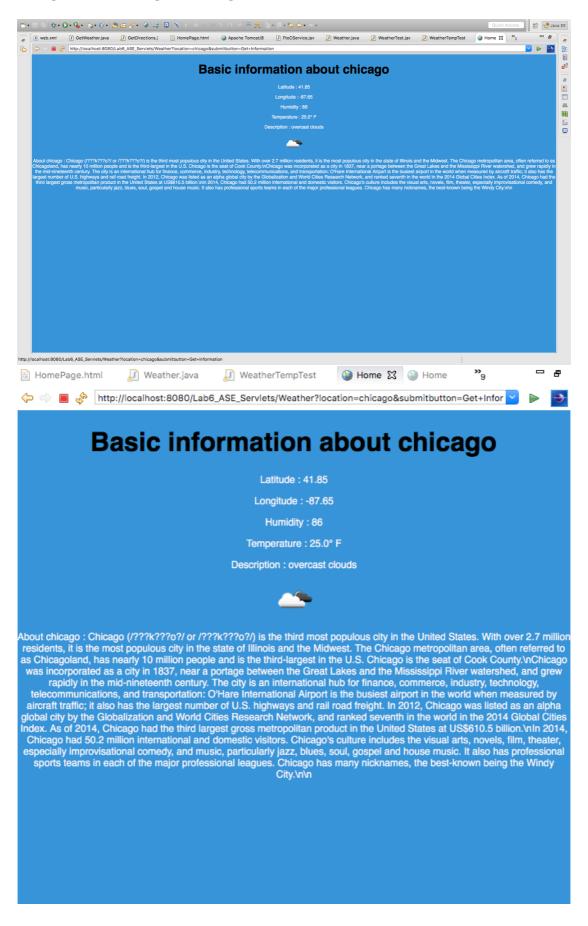
### **Screenshots:**

**Screen 1** – Enter the name of a city to get the basic information.





**Screen 2** – Gives the information about the city making use of Openweathermap and Wikipedia API



## **JUnit Testing:**

### **Success:**

```
6
7 public class WeatherTest {
        ▶  servlets.WeatherTest [Runner: JUnit 4] (0.030 s)
                                                                                                                                                                                                           Failure Trace
                                                                                                                                                                                                                                                                                                                                                                                               ⇒⊨ =
         Markers ☐ Properties ﴿ Servers 🏨 Data Source Explorer 🚡 Snippets 💂 Console 🕱
          cerminated WeatherTest (Linh) (Linny) Java (Java') Trush Machines (Jahn) (Linny) Java (Java') (Linny) (Lin
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          86
{"lon":-87.65, "let":41.85}
41.85
[["id":84,"icon":"84n", "description":"overcast clouds", "main":"Clouds"}]
overcast clouds
          6
initially declared6
                                                                                                                                                                                                        Writable Smart Insert 24:2
```

#### Failure:

