

Project Report

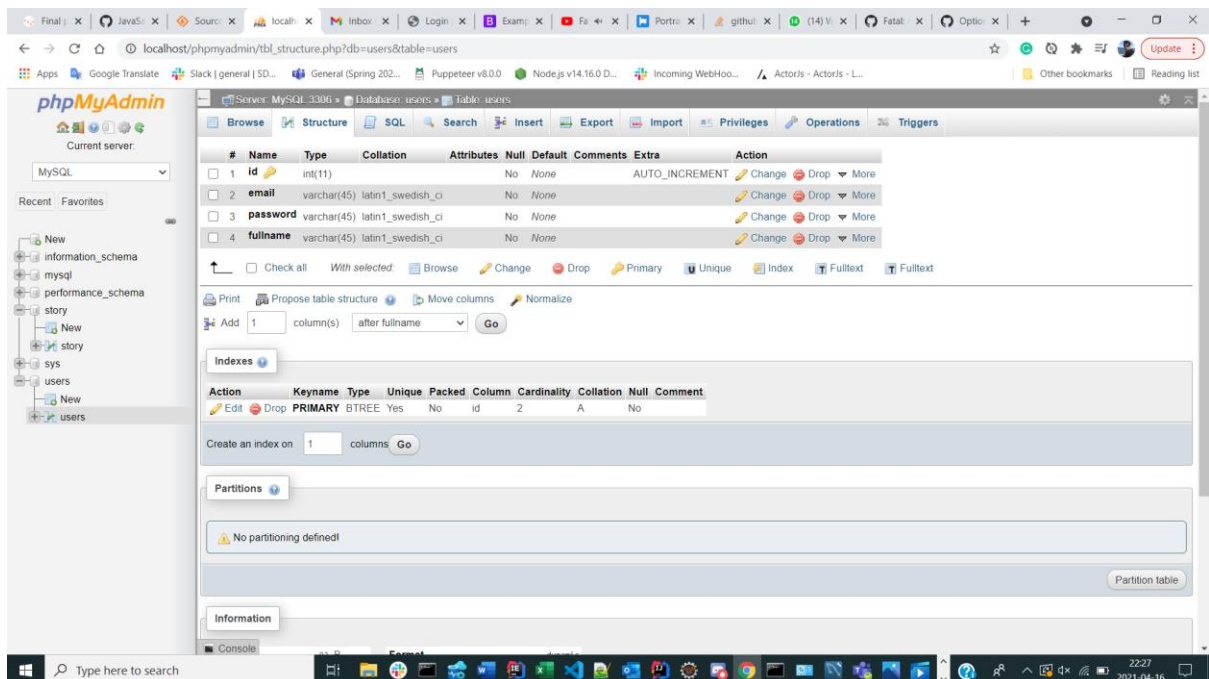
Stages of the project:

1. Building of Database
2. Creating server
3. Building frontend
4. Designing

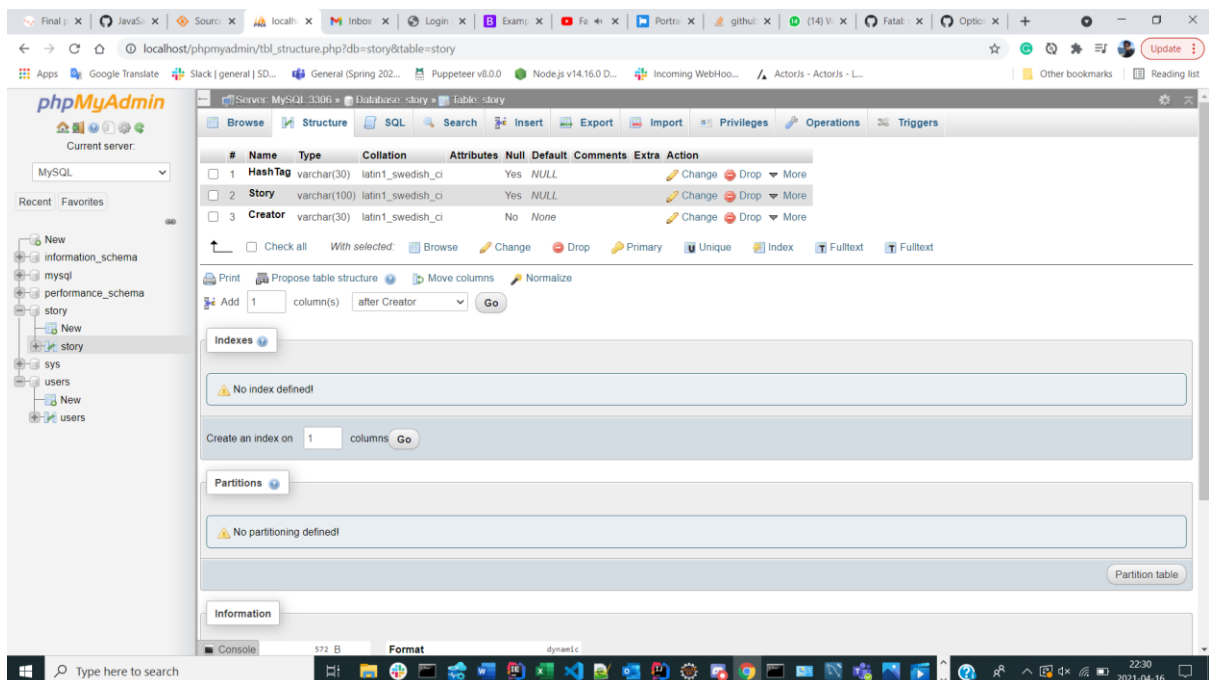
Growth of project

- 1. Building of Database:** First of all build up the database in mysql with two different database. One database dedicated for login users and another is for other data.

Login Database

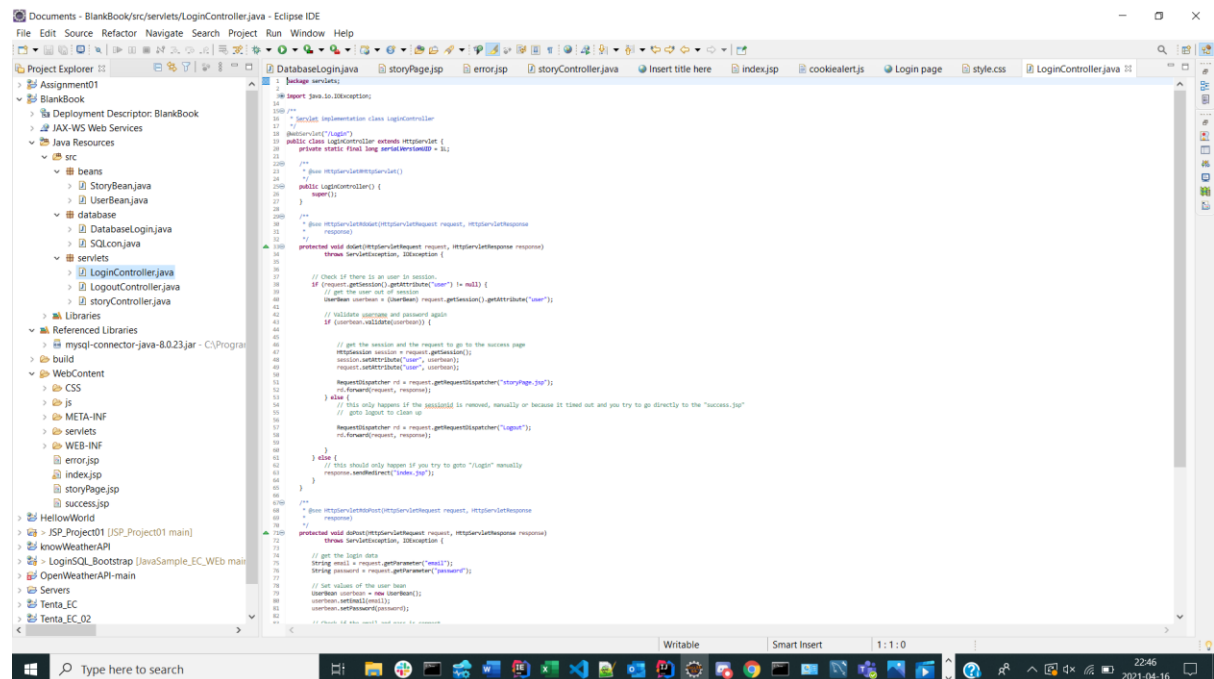


Database for save the other data :



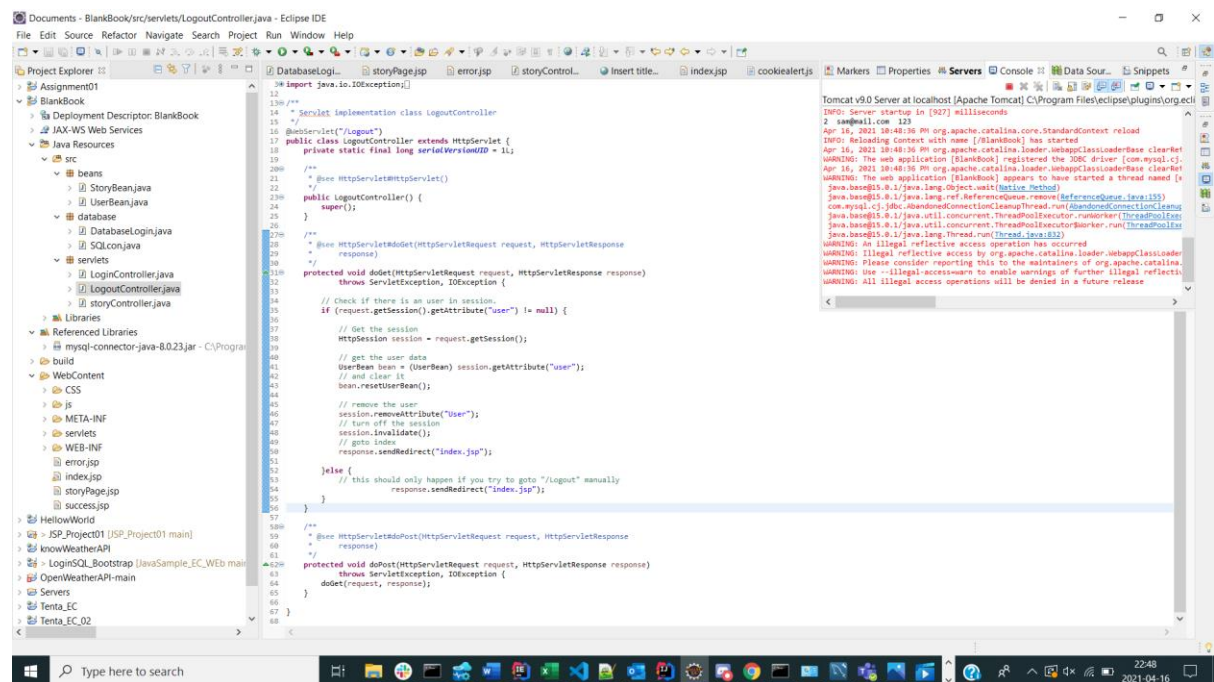
2. Creating server: In this project I create the server login, logout and stories. Snippets below

Login servlet



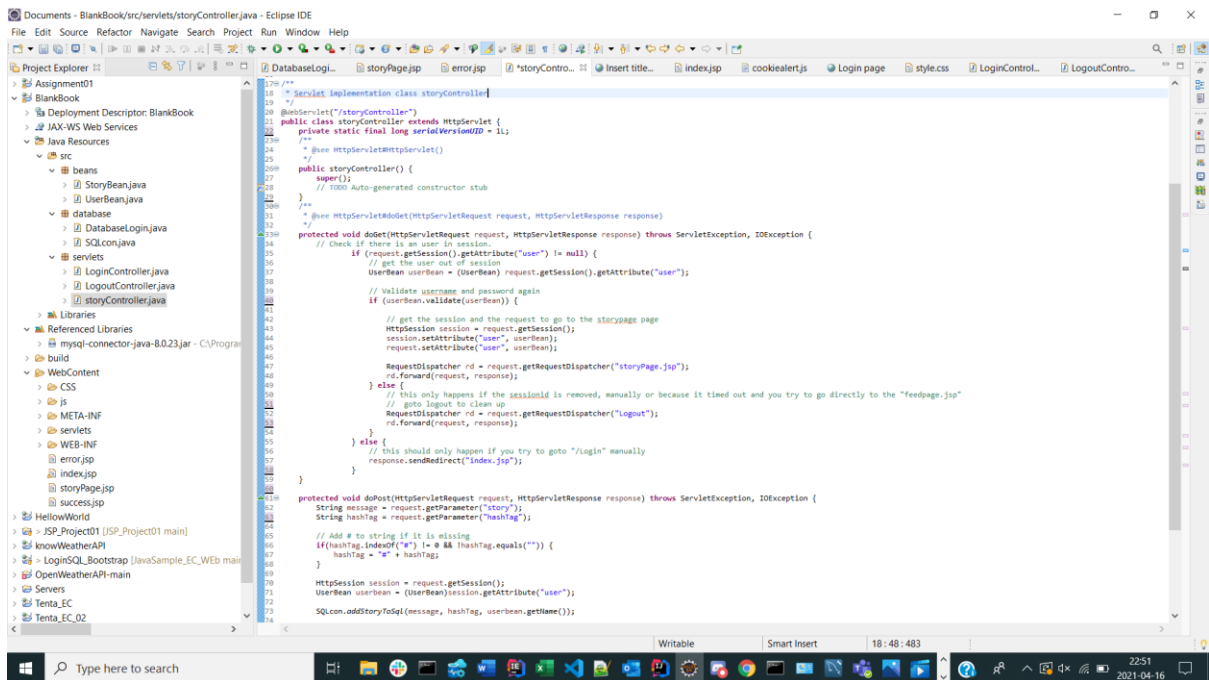
```
1  import java.io.IOException;
2
3  /**
4   * Servlet implementation class LoginController
5   */
6  @ServletServlet("login")
7  public class LoginController extends HttpServlet {
8      private static final long serialVersionUID = 1L;
9
10     /**
11      * @see HttpServlet#HttpServlet()
12      */
13     public LoginController() {
14         super();
15     }
16
17     /**
18      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
19      */
20     protected void doGet(HttpServletRequest request, HttpServletResponse response)
21         throws ServletException, IOException {
22
23         // Check if there is an user in session.
24         if (request.getSession().getAttribute("user") != null) {
25             // get the user out of session
26             UserBean userBean = (UserBean) request.getSession().getAttribute("user");
27             if (userBean.isValid()) {
28                 // validate session and redirect again
29                 // get the session and the request to go to the success page
30                 HttpSession session = request.getSession();
31                 session.setAttribute("user", userBean);
32                 request.setAttribute("user", userBean);
33                 RequestDispatcher rd = request.getRequestDispatcher("storyPage.jsp");
34                 rd.forward(request, response);
35             } else {
36                 // this only happens if the session is removed, manually or because it timed out and you try to go directly to the "success.jsp"
37                 // gets login to clean up
38                 RequestDispatcher rd = request.getRequestDispatcher("login.jsp");
39                 rd.forward(request, response);
40             }
41         } else {
42             // this should only happen if you try to go to "login" manually
43             response.sendRedirect("login.jsp");
44         }
45     }
46
47     /**
48      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
49      */
50     protected void doPost(HttpServletRequest request, HttpServletResponse response)
51         throws ServletException, IOException {
52
53         // get the login data
54         String email = request.getParameter("email");
55         String password = request.getParameter("password");
56
57         // set values of the user bean
58         UserBean userBean = new UserBean();
59         userBean.setEmail(email);
60         userBean.setPassword(password);
61
62         // Check if this user exists and more to prevent
63     }
64 }
```

Logout servlet



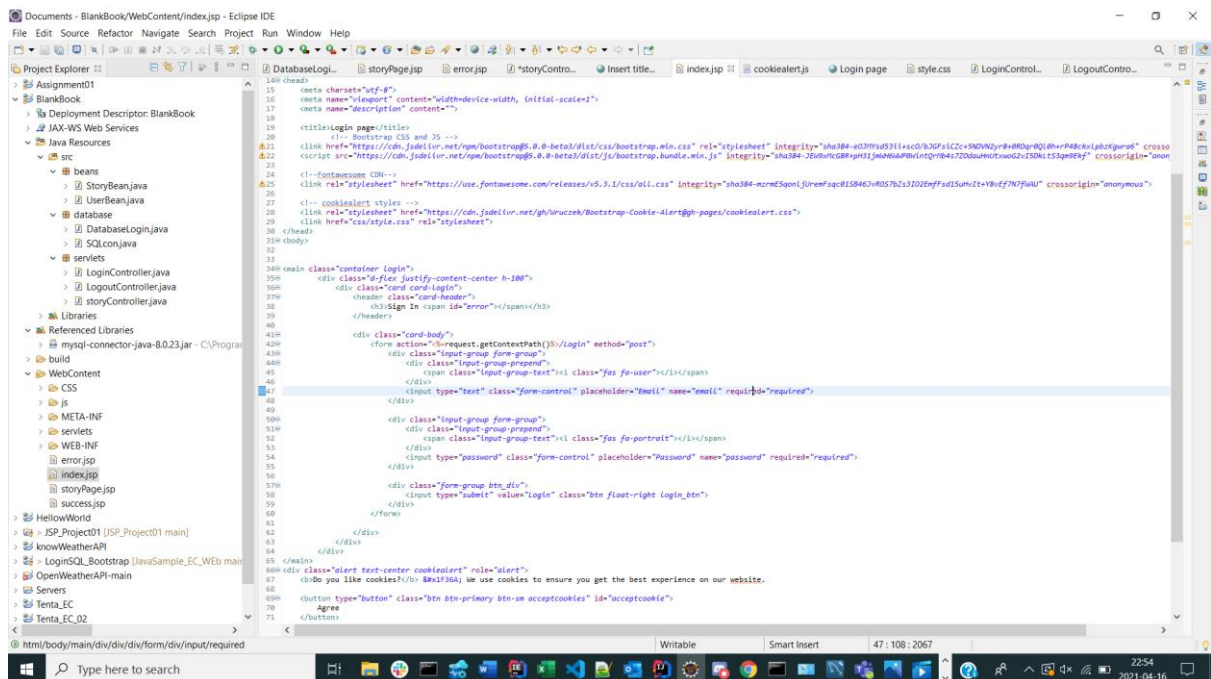
```
1  import java.io.IOException;
2
3  /**
4   * Servlet implementation class LogoutController
5   */
6  @ServletServlet("logout")
7  public class LogoutController extends HttpServlet {
8      private static final long serialVersionUID = 1L;
9
10     /**
11      * @see HttpServlet#HttpServlet()
12      */
13     public LogoutController() {
14         super();
15     }
16
17     /**
18      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
19      */
20     protected void doGet(HttpServletRequest request, HttpServletResponse response)
21         throws ServletException, IOException {
22
23         // Check if there is an user in session.
24         if (request.getSession().getAttribute("user") != null) {
25             // Get the session
26             HttpSession session = request.getSession();
27
28             // get the user data
29             UserBean userBean = (UserBean) session.getAttribute("user");
30             // and clear it
31             userBean.resetUserBean();
32
33             // remove the user
34             session.removeAttribute("user");
35             // turn off the session
36             session.invalidate();
37             // goto index
38             response.sendRedirect("index.jsp");
39         }
40
41         // this should only happen if you try to go to "logout" manually
42         response.sendRedirect("index.jsp");
43     }
44
45     /**
46      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
47      */
48     protected void doPost(HttpServletRequest request, HttpServletResponse response)
49         throws ServletException, IOException {
50         doGet(request, response);
51     }
52 }
```

Story servlet

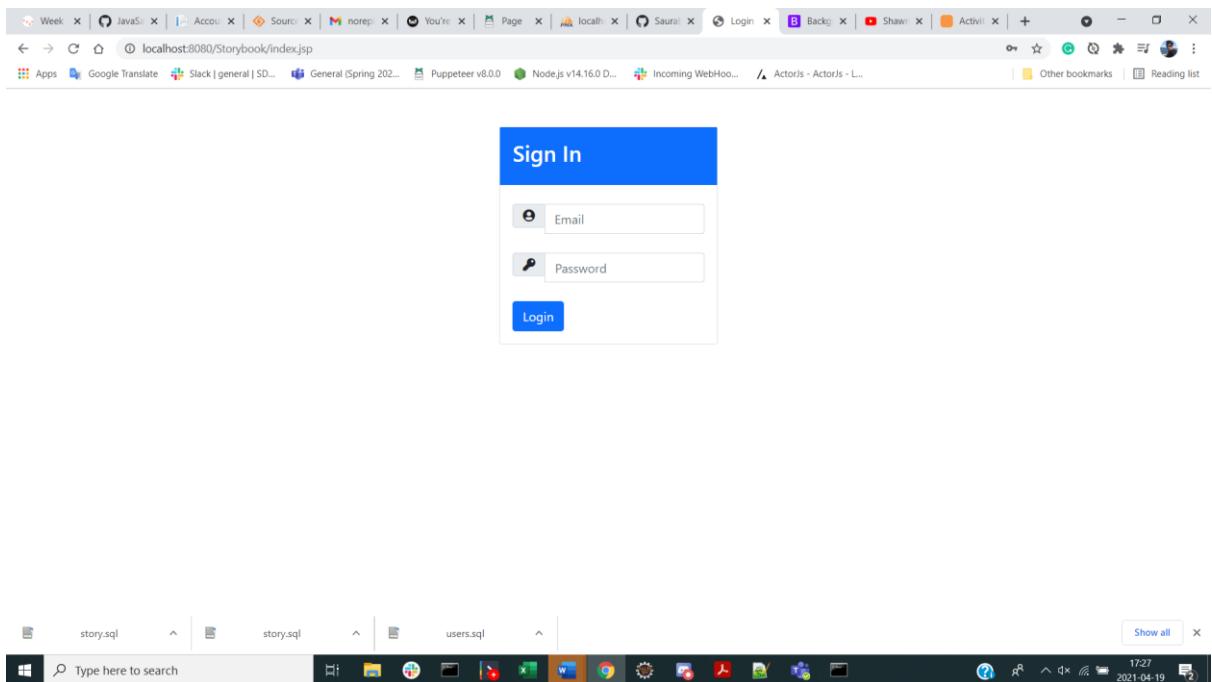


3. Building Frontend : In this project I created 3 jsp pages. Snippets are below for all.

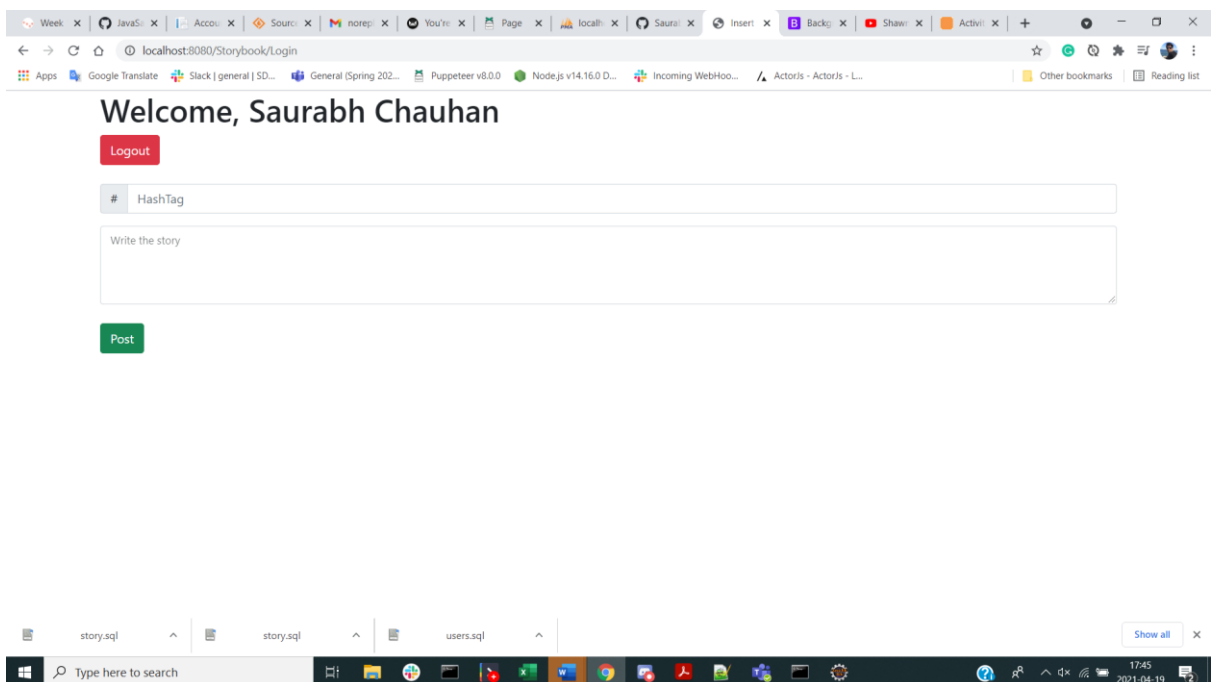
Index.jsp



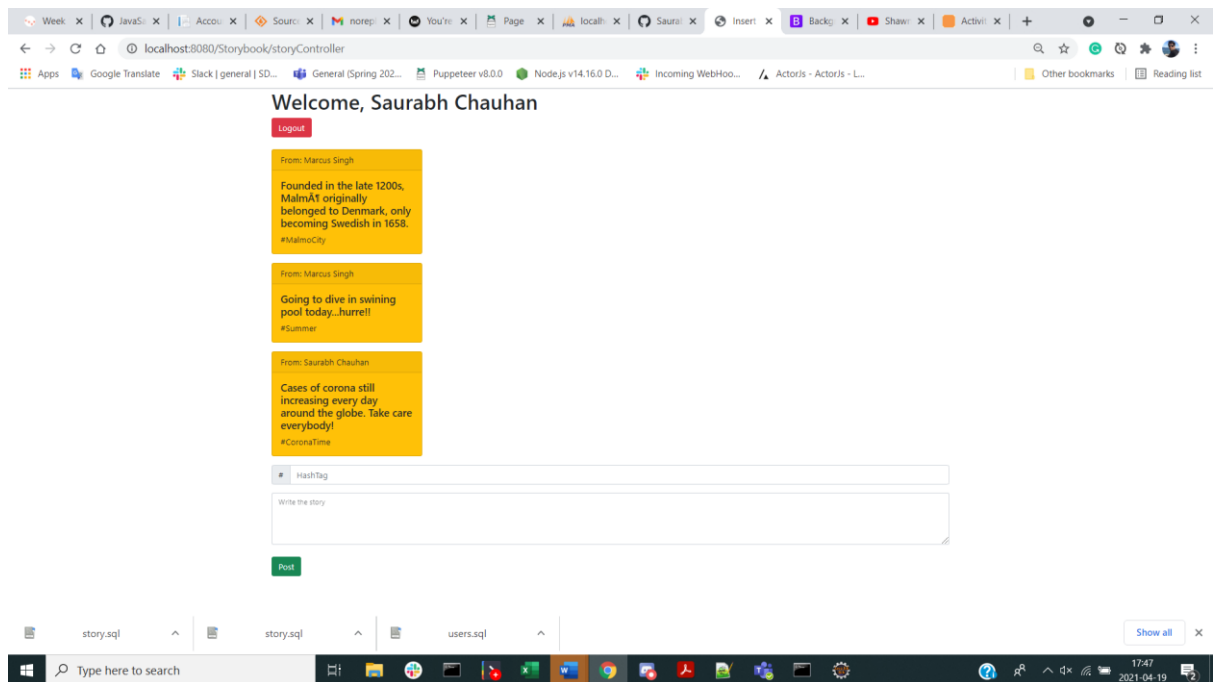
error.jsp



StoryPage :



After past a story :



Along the completion of stages of the project , I complete the my final project. You can find the codes and SQL files of my project in the GitHub link <https://github.com/Saurabh311/BlankBook.git> .