

TO-DO APPLICATION

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Description :

TO DO app is a software designed to help individuals or teams organize and manage their daily tasks and activities. These apps typically allow users to create task lists, set deadlines and priorities. TO DO apps can be used for personal time management or for coordinating team activities in a business or project setting. They are often available on mobile devices, desktop computers, and web-based platforms.

TO DO app, also known as a task management app, is a tool used to organize and manage tasks or projects. It allows users to create a list of tasks or projects that need to be completed, set deadlines or reminders, prioritize tasks, and track progress. These apps can be used for personal tasks or for managing tasks within a team or organization.

Screenshots of Front End :

Todo App

Login Signup

Login Form

User Name:

Password:

Submit

Todo App

Login Signup

User Register Form

First Name:

Last Name:

User Name:

Password:

Submit

User Register Form

User Registered Successfully!

First Name:

Last Name:

User Name:

Password:

List of Todos

Title	Target Date	Todo Status	Actions
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Add New Todo

Todo Title

j2ee lab

Todo Decription

presentation

Todo Status

In Progress

Complete

Todo Target Date

20/04/2023

Save

List of Todos

Add Todo

Title	Target Date	Todo Status	Actions
java lab	2023-04-19	false	Edit Delete
j2ee lab	2023-04-19	false	Edit Delete
mini project	2023-04-19	false	Edit Delete

Screenshots of Back End :

```
public class LoginController extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private LoginDao loginDao;

    public void init() {
        loginDao = new LoginDao();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.sendRedirect("login/login.jsp");
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        authenticate(request, response);
    }

    private void authenticate(HttpServletRequest request, HttpServletResponse response) throws IOException, ServletException {
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        LoginBean loginBean = new LoginBean();
        loginBean.setUsername(username);
        loginBean.setPassword(password);

        try {
            if (loginDao.validate(loginBean)) {
                RequestDispatcher dispatcher = request.getRequestDispatcher("todo/todo-list.jsp");
                dispatcher.forward(request, response);
            }
        } catch (Exception e) {
            // Handle exception
        }
    }

    private void listTodo(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException, ServletException {
        List<Todo> listTodo = todoDAO.selectAllTodos();
        request.setAttribute("listTodo", listTodo);
        RequestDispatcher dispatcher = request.getRequestDispatcher("todo/todo-list.jsp");
        dispatcher.forward(request, response);
    }

    private void showNewForm(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        RequestDispatcher dispatcher = request.getRequestDispatcher("todo/todo-form.jsp");
        dispatcher.forward(request, response);
    }

    private void showEditForm(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, ServletException, IOException {
        int id = Integer.parseInt(request.getParameter("id"));
        Todo existingTodo = todoDAO.selectTodo(id);
        RequestDispatcher dispatcher = request.getRequestDispatcher("todo/todo-form.jsp");
        request.setAttribute("todo", existingTodo);
        dispatcher.forward(request, response);
    }

    private void insertTodo(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String title = request.getParameter("title");
        String username = request.getParameter("username");
        String description = request.getParameter("description");

        /*DateTimeFormatter df = DateTimeFormatter.ofPattern("yyyy-mm-dd");
        LocalDate targetDate = LocalDate.parse(request.getParameter("targetDate"), df);*/
    }
}
```

```

public class UserController extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private UserDao userDao;

    public void init() {
        userDao = new UserDao();
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        register(request, response);
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.sendRedirect("register/register.jsp");
    }

    private void register(HttpServletRequest request, HttpServletResponse response) throws IOException, ServletException {
        String firstName = request.getParameter("firstName");
        String lastName = request.getParameter("lastName");
        String username = request.getParameter("username");
        String password = request.getParameter("password");

        User employee = new User();
        employee.setFirstName(firstName);
        employee.setLastName(lastName);
        employee.setUsername(username);
        employee.setPassword(password);

        try {
            int result = userDao.registerEmployee(employee);
            if(result == 1) {
                request.setAttribute("NOTIFICATION", "User Registered Successfully!");
            }
        }
    }
}

```

```
SERT_TODOS_SQL = "INSERT INTO todos"
```

```
description, target_date, is_done) VALUES " + " (?, ?, ?, ?, ?);";
```

```
LECT_TODO_BY_ID = "select id,title,username,description,target_date,is_done from todos where id =?";
```

```
LECT_ALL_TODOS = "select * from todos";
```

```
LETE_TODO_BY_ID = "delete from todos where id = ?";
```

```
DATE_TODO = "update todos set title = ?, username= ?, description = ?, target_date = ?, is_done = ? where id = ?";
```

Schema diagram :

