Share your Project Application!

Prerequisites to check before proceeding ahead with this Deployment Guide:

1) **All autoids are added to the respective elements/components in your application. Refer the noticeboard to get the list of autoids.**
2) **The server.xml file (present inside Tomcat Folder) contains your roll number as path in the Context. (See picture for reference):**

```
145        <!-- SingleSignOn valve, share authentication between web applications
146             Documentation at: /docs/config/valve.html -->
147        <!--
148        <Valve className="org.apache.catalina.authenticator.SingleSignOn" />
149        -->
150
151        <!-- Access log processes all example.
152             Documentation at: /docs/config/valve.html
153             Note: The pattern used is equivalent to using pattern="common" -->
154        <Valve className="org.apache.catalina.valves.AccessLogValve" directory="logs" pattern="%h %l %u %t &quot;
155
156
157      <Context docBase="newBackendApp" path="/1604022" reloadable="true" source="org.eclipse.jst.jee.server:newBa
158    </Engine>
159  </Service>
160 </Server>
```

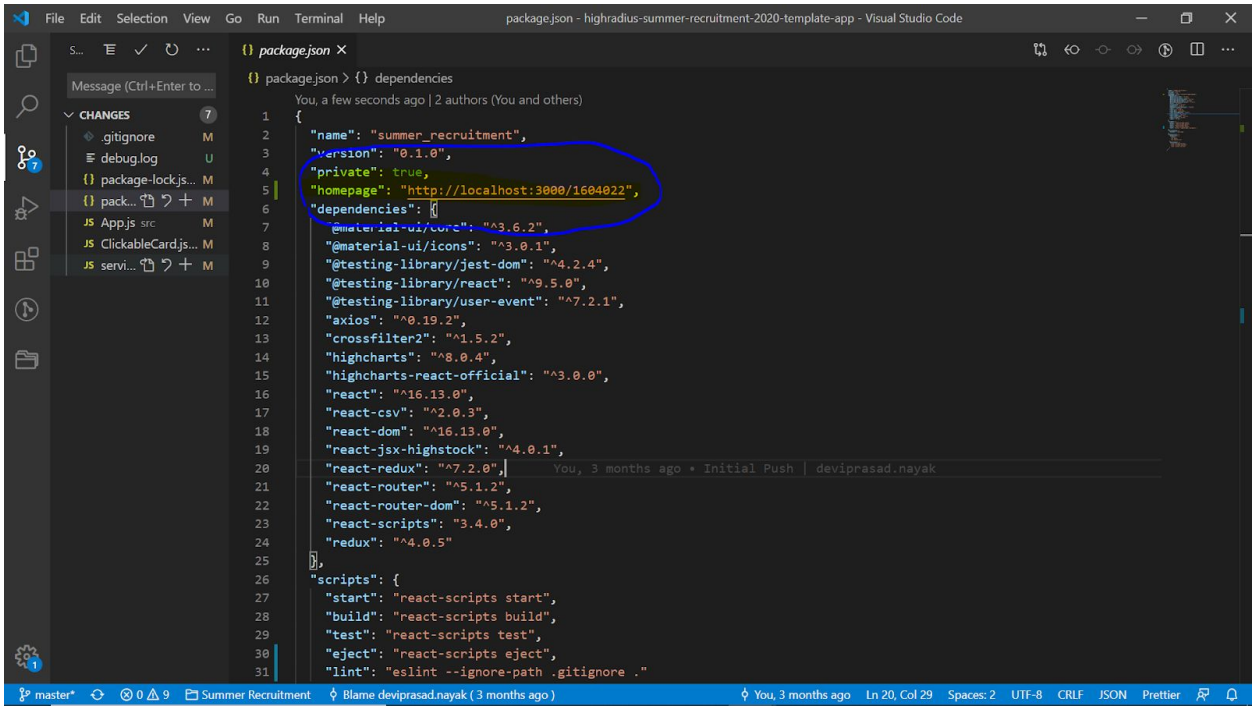
3) **The database Name,Username,Password and port should be exactly the same as mentioned in the below picture. If they aren't same, please make necessary changes to accommodate the below details:**

```
String dbDriver = "com.mysql.jdbc.Driver";
String dbURL = "jdbc:mysql:// localhost:3306/";
String dbName = "project";
String dbUsername = "root";
String dbPassword = "root";
```

4) **Open your Summer Internship UI and navigate to package.json file. Add a new property "homepage" as shown in the below screenshot. Remember to use your roll number.**

Copy and paste the below line and change your roll number:

```
"homepage": "http://localhost:3000/1604022",
```



5) Open App.js and make sure you have added the basename as your roll number correctly as show below:

```
<div className={classes.mainBackground}>
  <div className={classes.nothing}>
  <Router basename="1604022">
    <Switch>
      <Route exact path="/" component={CollectorDashboard} />
      <Route path="/customer-dashboard" component={CustomerDetails} />
    </Switch>
  </Router>
```

6) **The Predict Button must trigger the below endpoint only:**

http://127.0.0.1:5000/predict

```
export function prediction(data) {
  return axios.post(
    'http://127.0.0.1:5000/predict?',
    {},
    {
      headers: { 'Content-Type': 'application/json' },
      params: {
        data: data,
```

```
      },
    }
  );
}
```

7) The Dialog Flow backend API endpoint must be:

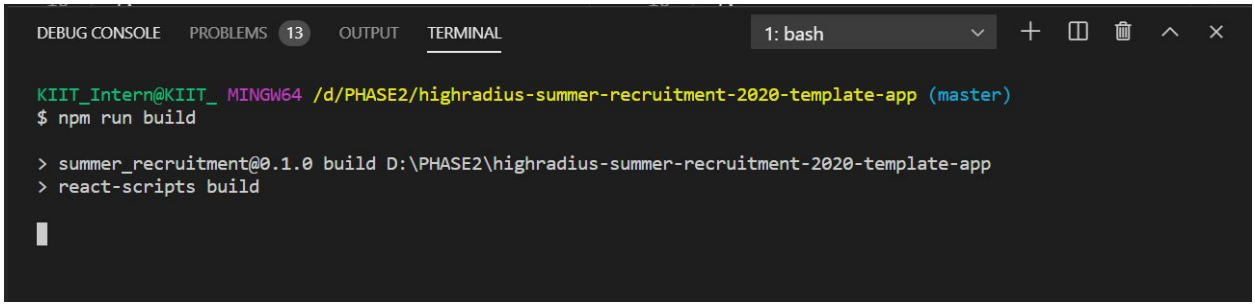
```
8) http://localhost:4000/chat
```

8) All the Java servlets should follow the below naming convention:
(write your roll number in place of 1604022)

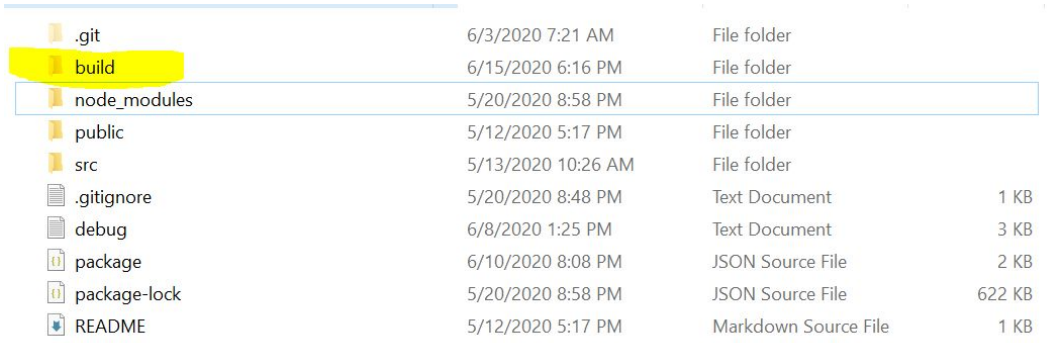
```
    http://localhost:8080/1604022/[API NAME]
```

Once the above prerequisites are fulfilled, follow the below steps to generate your WAR file:

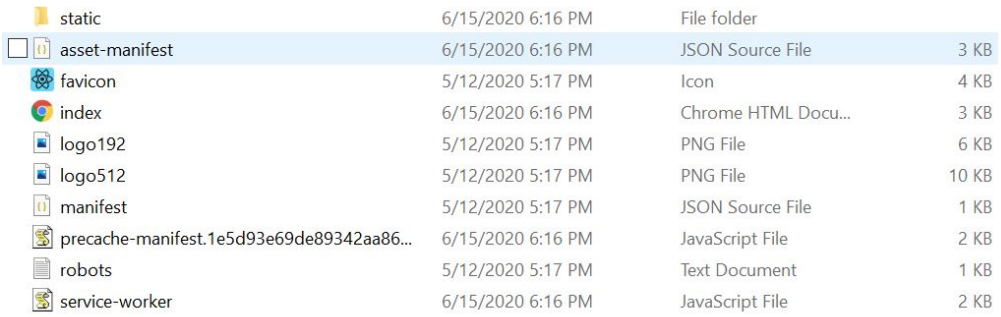
1) Open your Summer Internship UI in VSCode and type npm run build in terminal.



2) Wait for the build to complete.Once build is successfully completed. Open the Summer Internship UI folder in your file Explorer. You will notice the build folder created.

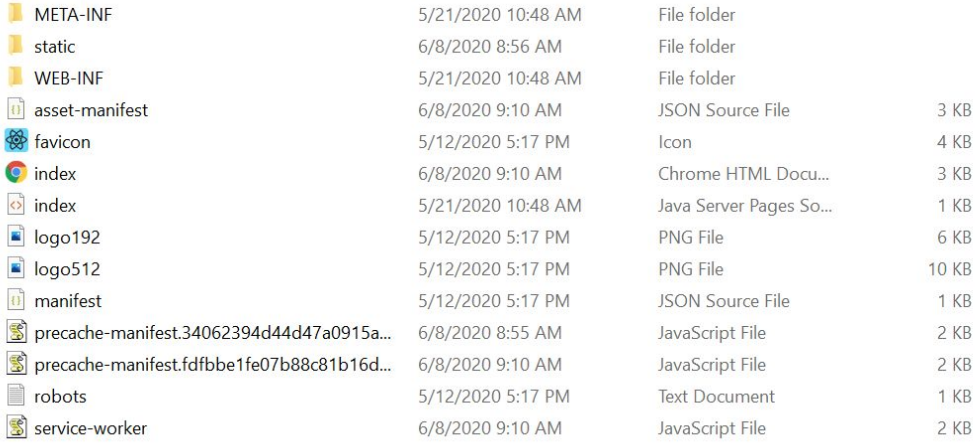


3) Navigate inside the build folder and copy the content present inside the build folder.



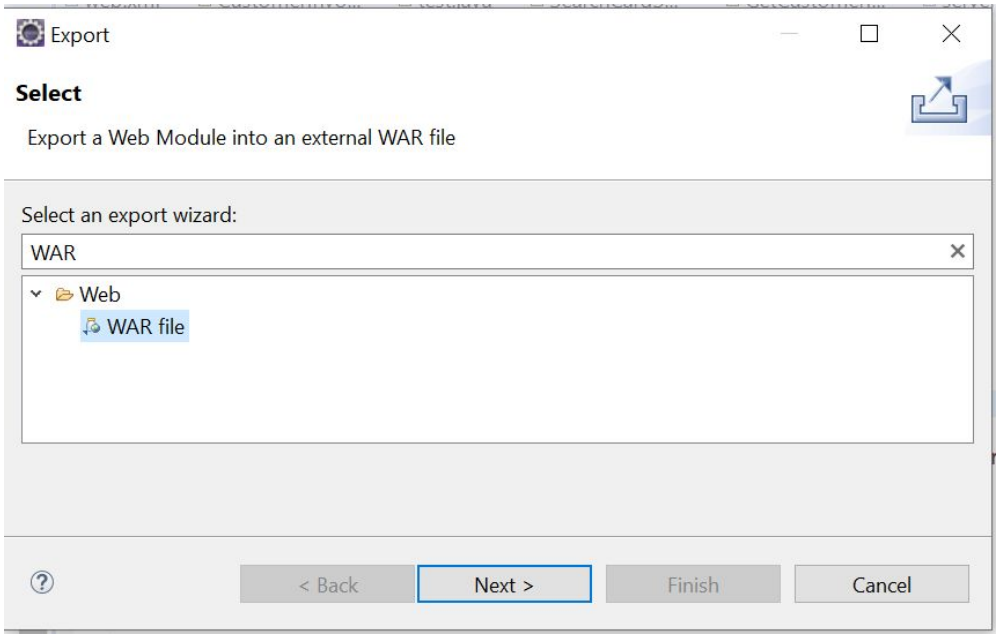
static	6/15/2020 6:16 PM	File folder	
asset-manifest	6/15/2020 6:16 PM	JSON Source File	3 KB
favicon	5/12/2020 5:17 PM	Icon	4 KB
index	6/15/2020 6:16 PM	Chrome HTML Docu...	3 KB
logo192	5/12/2020 5:17 PM	PNG File	6 KB
logo512	5/12/2020 5:17 PM	PNG File	10 KB
manifest	5/12/2020 5:17 PM	JSON Source File	1 KB
precache-manifest.1e5d93e69de89342aa86...	6/15/2020 6:16 PM	JavaScript File	2 KB
robots	5/12/2020 5:17 PM	Text Document	1 KB
service-worker	6/15/2020 6:16 PM	JavaScript File	2 KB

4) Now move to your backend Workspace in your File Explorer and navigate to WebContent folder. Paste all the content you copied inside it. **Remember to Replace the content if prompted.** After successfully pasting, your WebContent folder should look like this:

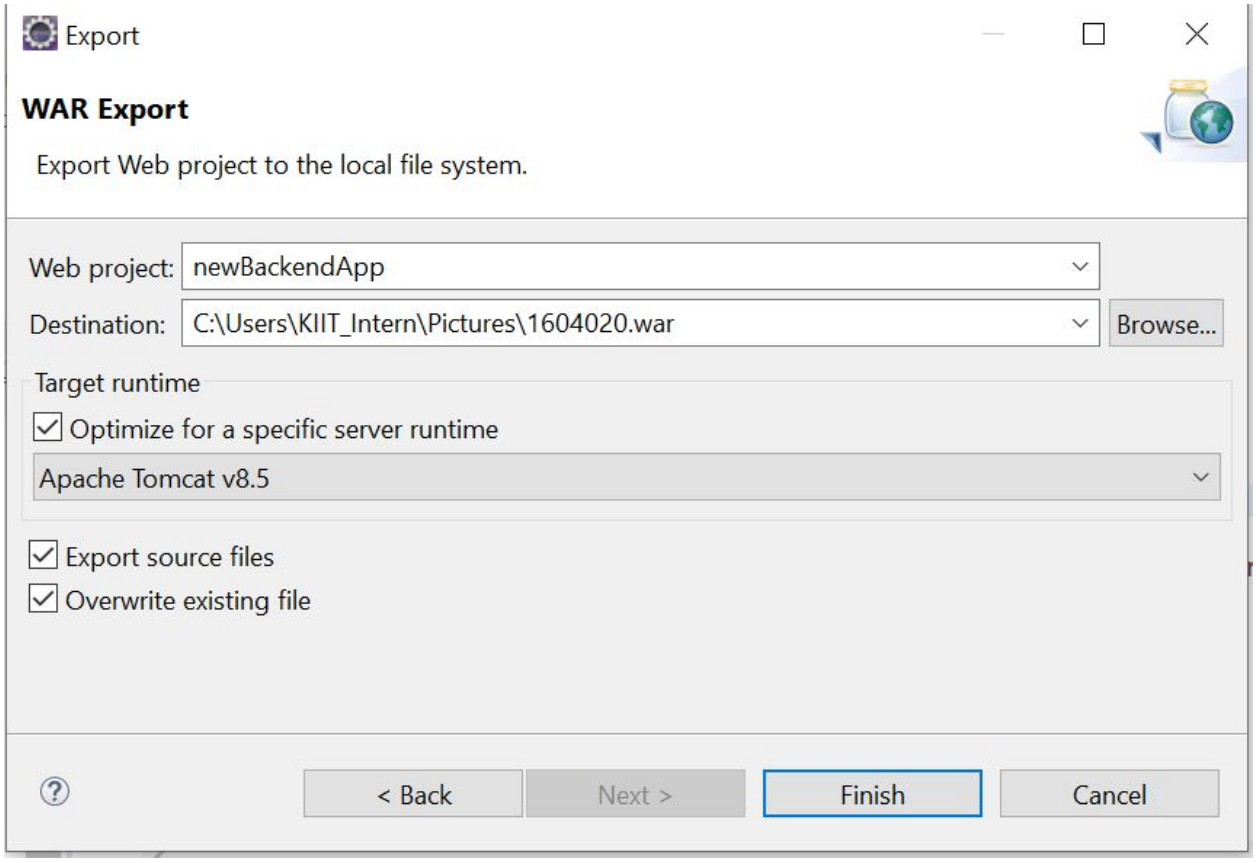


META-INF	5/21/2020 10:48 AM	File folder	
static	6/8/2020 8:56 AM	File folder	
WEB-INF	5/21/2020 10:48 AM	File folder	
asset-manifest	6/8/2020 9:10 AM	JSON Source File	3 KB
favicon	5/12/2020 5:17 PM	Icon	4 KB
index	6/8/2020 9:10 AM	Chrome HTML Docu...	3 KB
index	5/21/2020 10:48 AM	Java Server Pages So...	1 KB
logo192	5/12/2020 5:17 PM	PNG File	6 KB
logo512	5/12/2020 5:17 PM	PNG File	10 KB
manifest	5/12/2020 5:17 PM	JSON Source File	1 KB
precache-manifest.34062394d44d47a0915a...	6/8/2020 8:55 AM	JavaScript File	2 KB
precache-manifest.fdfbbe1fe07b88c81b16d...	6/8/2020 9:10 AM	JavaScript File	2 KB
robots	5/12/2020 5:17 PM	Text Document	1 KB
service-worker	6/8/2020 9:10 AM	JavaScript File	2 KB

5) Once your Backend Code in Eclipse and then Click on Export button from Files Menu.Search for Export type WAR in the search box provided. The following dialog box will appear on the screen:



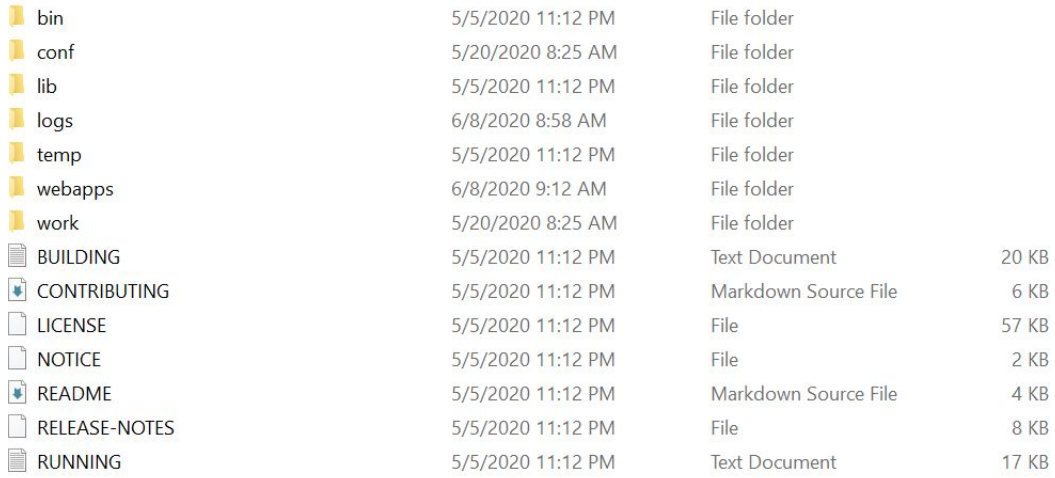
6) Click on NEXT. Then choose the web project from dropdown and select the destination to export the file. **The Filename must be your roll number (Ex: 1604020.war)**



7) Click on finish to generate the WAR file. Once the WAR file is generated, you can navigate to the destination folder to find the WAR file. This WAR file needs to be submitted in the Deployment Form.

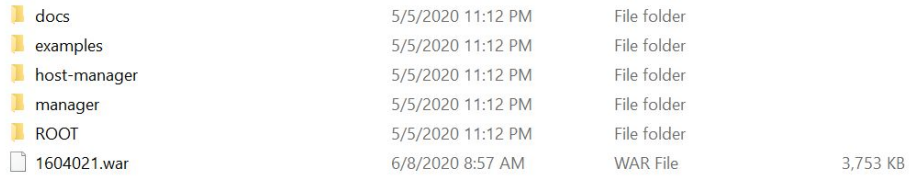
To check that your WAR file generated is correct and working as expected, we recommend you to follow the below steps:

1) Make sure your Tomcat Server is stopped. Copy the WAR file generated and navigate in the folder where tomcat Server was earlier extracted.



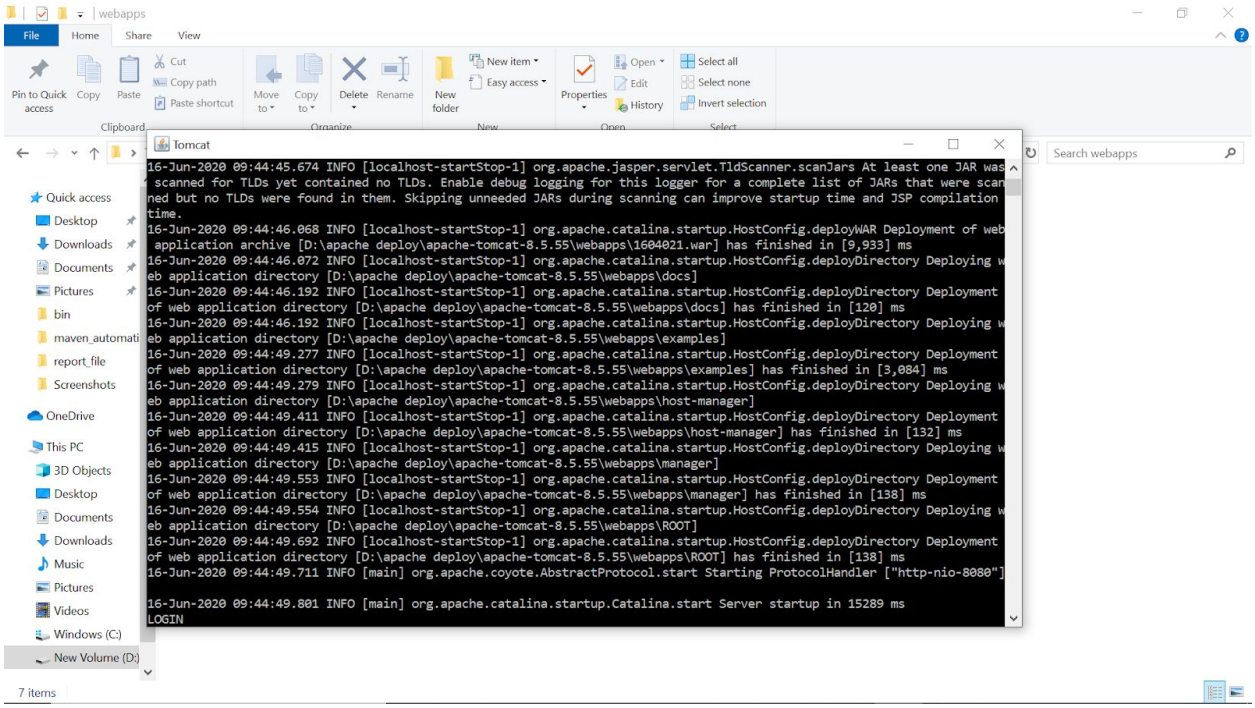
bin	5/5/2020 11:12 PM	File folder	
conf	5/20/2020 8:25 AM	File folder	
lib	5/5/2020 11:12 PM	File folder	
logs	6/8/2020 8:58 AM	File folder	
temp	5/5/2020 11:12 PM	File folder	
webapps	6/8/2020 9:12 AM	File folder	
work	5/20/2020 8:25 AM	File folder	
BUILDING	5/5/2020 11:12 PM	Text Document	20 KB
CONTRIBUTING	5/5/2020 11:12 PM	Markdown Source File	6 KB
LICENSE	5/5/2020 11:12 PM	File	57 KB
NOTICE	5/5/2020 11:12 PM	File	2 KB
README	5/5/2020 11:12 PM	Markdown Source File	4 KB
RELEASE-NOTES	5/5/2020 11:12 PM	File	8 KB
RUNNING	5/5/2020 11:12 PM	Text Document	17 KB

2) Navigate to the webapps folder and paste your WAR file. After pasting your webapps folder should look like this:



docs	5/5/2020 11:12 PM	File folder	
examples	5/5/2020 11:12 PM	File folder	
host-manager	5/5/2020 11:12 PM	File folder	
manager	5/5/2020 11:12 PM	File folder	
ROOT	5/5/2020 11:12 PM	File folder	
1604021.war	6/8/2020 8:57 AM	WAR File	3,753 KB

3) Now go back and navigate into the bin folder present inside Tomcat Root Directory. Double click on “startup.bat” file. Wait for Tomcat to start. Once the server is started.



4) Once the server has started. Open your web browser and check your application by entering this URL: http://localhost:8080/1604021/ (enter your roll number inplace of 1604021)
5) If your application opens and works fine then you have successfully generated the WAR file and can submit it for deployment. If you face any issues, please reach out to your moderators regarding the same.

NOTE:

1) You can shutdown the server by double clicking “shutdown.bat” present in the same bin folder.
2) **It is compulsory to submit a WAR file for the successful completion of Summer Internship. Please submit the WAR file even if you have not completed certain functionalities.**