# How to Import and Run the Project in Eclipse

## 1. Prerequisites

* Eclipse IDE (preferably Eclipse IDE for Enterprise Java and Web Developers).
* Apache Tomcat v11.0 installed and configured in Eclipse.
* Java Development Kit (JDK) version 11 or above.
* Maven installed (embedded in Eclipse or system-wide).
* Internet connection (for Maven dependency resolution).

## 2. Import the Project into Eclipse

1. Open Eclipse IDE.
2. Go to File > Import.
3. Choose 'Existing Maven Projects' under 'Maven' and click 'Next'.
4. Browse to the root folder where the project is located.
5. Ensure the project's pom.xml is detected and checked.
6. Click 'Finish' to import the project.

## 3. Configure Runtime and Project Facets

1. Right-click the imported project > Properties.
2. Go to 'Targeted Runtimes' and ensure 'Apache Tomcat v11.0' is checked.
3. Go to 'Project Facets':
4. - Convert to faceted form if required.
5. - Set 'Dynamic Web Module' to 5.0 or higher.
6. - Set 'Java' to 11 or higher.
7. Click 'Apply and Close'.

## 4. Clean, Build, and Deploy the Project

1. Right-click the project > Maven > Update Project (Alt+F5).
2. Go to Project > Clean > Select the project and clean it.
3. Ensure Tomcat server is added in the 'Servers' tab (bottom of Eclipse).
4. Right-click on the Tomcat server > Add and Remove > Add your project.
5. Click 'Finish' and then click the green 'Start' button on the server.

## 5. Access the Application

Once the server is running, open a browser and go to:

http://localhost:8085/Air-go-Backend-Project

**6. Shortcut: Run the Project Quickly**

Once all the above configurations are completed, you can use Eclipse's shortcut feature to run the project directly.

Follow these steps:

1. Right-click your project in the Project Explorer.

2. Choose 'Run As' → 'Run on Server'.

3. Select 'Apache Tomcat v11.0' if prompted and click 'Finish'.

4. The server will start, and your application will launch in the browser automatically.

💡 Note: This shortcut works only if the project has proper facet configuration, Maven dependencies resolved, and the server is properly linked.