# PowerPoint Differ Developer’s Guide

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## Environment Setup

Follow the steps to setup the development environment for the PPD application and engine projects.

1. Download the project and source code.
2. Open the Eclipse IDE.
3. Create and open a new Workspace.
4. From the File menu, select the Import option.
   1. The project **Import** dialog is opened.
5. Select the **Existing Maven Projects** option, and click the **Next** button.
   1. The **Import Maven Projects** dialog is opened.
6. Click the **Browse…** button near the **Root Directory** field.
7. Navigate to the **pptdiffer-engine** folder under the main **Source** folder and click the **Open** button.
   1. The **Import Maven Projects** dialog updates to list the pom.xml file for the **pptdiffer-engine** project.
8. Click the **Finish** button.
   1. The **pptdiffer-engine** project is now listed in the Eclipse **Package Explorer**.
9. Select **File** 🡪 **Maven** 🡪 **Update Project…**
   1. The **Update Maven Project** dialog is displayed.
10. Under the Available Maven Codebases, verify that the check box next to **pptdiffer-engine** entry is checked, click the **Force Update of Snapshots/Releases** checkbox, and click the **OK** button.
    1. Eclipse downloads the required project libraries.
11. From the File menu, select the Import option.
    1. The project **Import** dialog is opened.
12. Select the **Existing Maven Projects** option, and click the Next button.
    1. The **Import Maven Projects** dialog is opened.
13. Click the **Browse…** button near the **Root Directory** field.
14. Navigate to the **pptdiffer** folder under the main **Source** folder and click the **Open** button.
    1. The **Import Maven Projects** dialog updates to list the pom.xml file for the **pptdiffer** project.
15. Click the **Finish** button.
    1. The **pptdiffer-app** project is now listed in the Eclipse **Package Explorer**.
16. Right-click the **pptdiffer-app** project in the Eclipse **Package Explorer** and select **Build Path** 🡪 **Configure Build Path…**
    1. The properties dialog **Properties for pptdiffer-app** is now displayed and is opened to the **Java Build Path**.
17. Click the **Projects** tab.
18. Click the **Add…** button on the right side of the dialog.
    1. The **Required Project Selection** dialog is displayed.
19. Click the check box next to the listing for **pptdiffer-engine** and then click the **OK** button.
    1. The **pptdiffer-engine** project is now listed under **Java Build Path** 🡪 **Projects** tab in the properties dialog.
20. Click the **Apply and Close** button.
21. In the **Package Explorer**, navigate to the **PpdApplication** class under the package **com.horvath.pptdiffer.application**.
22. Right click on the PpdApplication class and select **Run As** 🡪 **Java Application**.
    1. The PowerPoint Differ application should now be running with a window displayed.