# Test Document

C:\Users\Banu\Documents\SWE\SWE573\sakalatex.jpg

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# Purpose

This document is documenting test cases for Sakalatex Eclipse plug-in and their expected results.

# Test Cases

Case 1:

|  |  |
| --- | --- |
| **Case Name** | RunWizard |
| **Program/Module** | Plugin Nature |
| **Test Objective** | Able to complete Sakalatex Project Creation Wizard |
| **Pre Condition** | Sakalatex plug in set up in Eclipse |
| **Steps** | 1. Start Eclipse 2. Click File – New – Other and open “New” window 3. Locate Sakalatex category and expand category 4. Locate Sakalatex Project Wizard and click 5. Click Next on New Window 6. “Sakalatex Project Creation” window is opened 7. Check there is a default project name 8. Update project name 9. Check there is a list of templates exist 10. Check that any one of the templates can be selected 11. Click Finish to complete the wizard |
| **Expected Results** | * Sakalatex Project Creation Window is located and opened * Project Name changed * Any one of the templates is selected |

Case 2:

|  |  |
| --- | --- |
| **Case Name** | StartProject |
| **Program/Module** | Plugin Nature |
| **Test Objective** | To check that the Sakalatex project is created correctly |
| **Pre Condition** | RunWizard test case is succeded |
| **Steps** | 1. Complete RunWizard test case 2. Open Navigator Window 3. Check that the project name is what is selected at RunWizard test case step 8 4. Check that there is file name “Sakala.tex” 5. Check that its content is the selected template selected at RunWizard test case step 10 6. Check that there is a “.project” file 7. Check that the Sakalatex toolbar exist on the eclipse window |
| **Expected Results** | * Sakalatex project is created correctly |

Case 3:

|  |  |
| --- | --- |
| **Case Name** | EditDocument |
| **Program/Module** | Plugin Editor |
| **Test Objective** | Latex document is edited and stored |
| **Pre Condition** | StartProject test case is succeeded |
| **Steps** | 1. Locate “Sakala.tex” file from Navigator view 2. Right-click and select Open With – Sakalatex Editor option 3. See that the document is opened on Editor view. 4. See that the editor icon is correct 5. Check that the text in editor is colorized 6. Edit text 7. Save text |
| **Expected Results** | * Latex document is opened, changed and stored |

Case 4:

|  |  |
| --- | --- |
| **Case Name** | BuildDocument |
| **Program/Module** | Plugin – Builder |
| **Test Objective** | Able to build the latex document and created the file in pdf format |
| **Pre Condition** | EditDocument is edited and stored |
| **Steps** | 1. Check that the Console view is open 2. Select Project menu and select Build All option or press Ctrl+B 3. Check that “build in progress” is written on Console 4. Check that MikTex output is written on Console 5. Check that file “Sakala.pdf”, “Sakala.log” and “Sakala.aux” files are created in Navigator view |
| **Expected Results** | * Latex document is converted to pdf |

Case 5:

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| --- | --- |
| **Case Name** | PreviewPdf |
| **Program/Module** | Plugin – Extension |
| **Test Objective** | Able to view pdf document inside eclipse and refresh its content |
| **Pre Condition** | BuildDocument test case is succeeded |
| **Steps** | 1. Click Refresh button on toolbar 2. Check that the pdfviewer view is opened 3. Check that the sakala.pdf is opened and it is correct 4. Open sakala.tex 5. Edit text 6. Save text and build document 7. Click Refresh button again 8. Check that the sakala.pdf file is updated |
| **Expected Results** | * Pdfviewer is opened and changes to the tex file is updated at pdf file |

Case 6:

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| --- | --- |
| **Case Name** | Toolbar |
| **Program/Module** | Plugin – ActionSet |
| **Test Objective** | Able to edit document with Toolbar actions |
| **Pre Condition** | EditDocument is edited and stored |
| **Steps** | 1. Open Sakala.tex file 2. Write some text 3. Select text and select hypelink button 4. Check that the selected text is surrounded by hyperlink tag 5. Write some more text 6. Select text and select footnote button 7. Check that the selected text is surrounded by footnote tag 8. Write several lines of text 9. Click on anywhere in text 10. Select Comment - out button on toolbar 11. Check that the line where the cursor lays is commented out 12. Select Comment – in button on toolbar 13. Check that the line where the cursor lays is commented in |
| **Expected Results** | * Sakalatex editor toolbar is worked properly |

Case 7:

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| --- | --- |
| **Case Name** | CheckPreferenceOptions |
| **Program/Module** | Plugin – Preferences |
| **Test Objective** | Able to locate and change Sakalatex preferences |
| **Pre Condition** | Sakalatex plug in set up in Eclipse |
| **Steps** | 1. Open Window – Preferences 2. Check that there is an entry named Sakalatex Preferences 3. Select Sakalatex Preferences 4. Check that pdflatex path and arguments fields are filled 5. Select Color from left menu 6. Change colors for various types of documents 7. Store changes 8. Close window and eclipse 9. Open eclipse and check that the preferences are still stored 10. Check that the new projects color scheme is the stored one. |
| **Expected Results** | * Sakalatex preferences are viewed, updated and stored. |