

Code Generator Testing

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Smoke testing

Test case 1. Application startup

Objective: Confirm the application loads needed information on startup.

Procedure:

1. Start the application.

Checklist:

1. Application window displayed on the desktop.
2. Application settings loaded and applied to the appearance.
3. Saved projects are visible on the homepage.

Test case 2. Responsive design

Objective: Confirm that all UX elements displayed properly for different window sizes.

Procedure:

1. Use full screen button to resize the window.
2. Use borders of the window to resize the application.

Checklist:

1. Main elements should be visible for any height and width.
2. Sub elements should be hidden in the small application window and appear during resize.

Test case 3. Application navigation

Objective: All screens from the home screen should be reachable.

Procedure:

1. Select menu tab and navigate to other screens (eg. Settings, Errors, etc).

Checklist:

1. Confirm that every screen displayed properly.

Test case 4. Project list views.

Objective: For the project screen verify the view of the list is changeable for grid, list and table.

Procedure:

1. Navigate to the projects screen.
2. Change view.

Checklist:

1. For the list view project should contain project name and navigation buttons.
2. For the table view project should contain more detailed information.
3. For the grid view project should be displayed as a square with title.

Test case 5. Error page appearance

Objective: Confirm that errors are displayed in the appropriate screen.

Procedure:

1. Navigate to the errors screen.
2. Press on any error from the list.

Checklist:

1. Error's details should be visible in the sidebar section.
2. Action buttons are displayed under details.
3. In case error's details are huge, sidebar is scrollable.

Test case 6. Settings

Objective: Confirm settings screen displayed properly.

Procedure:

1. From the home page navigate to the settings page.
2. Change any setting and confirm changes.

Checklist:

1. Settings page is reachable from the home page.
2. Setting page properly displayed.
3. Settings are changeable.

Test case 7. Project details screen

Objective: Verify that project details screen displayed properly.

Procedure:

1. From the home page navigate to the projects screen.
2. Select any project screen (navigate to the details page).

Checklist:

1. Project screen reached from the home page.
2. Projects are displayed on the project screen.
3. Project details should be properly displayed.

Test case 8. Project creation

Objective: Check is project creation works properly.

Procedure:

1. Navigate to the projects screen.
2. Open add project dialog.
3. After setting needed information and pressing create button – project is added to the list.

Checklist:

1. Add project dialog is properly displayed after clicking on the add button.
2. Dialog displayed properly.
3. Creating project added to the list.
4. After reloading application project is saved and displayed.

Test case 9. Project editing

Objective: Check is editing dialog works as expected.

Procedure:

1. Navigate to the projects screen.
2. Press “edit” on any project.
3. Change values on the dialog form.
4. Press “save” button.

Checklist:

1. Edit dialog displayed properly.
2. Value is editable.
3. After saving information is updated on the view.

Test case 10. Project deleting

Objective: Verify project deletion happens after confirming.

Procedure:

1. Navigate to the project screen.
2. Delete project.
3. Deletion dialog should appear.
4. Confirm deletion.
5. Repeat steps 2 and 3.
6. Cancel deletion.

Checklist:

1. Project delete dialog displayed properly.
2. After confirming project will be removed from the list.
3. After canceling project still be in the list.
4. After reloading deleted project is not displayed.

Test case 11. Project files

Objective: Verify project may contain files.

Procedure:

1. Navigate to the projects screen.
2. Select any product and navigate to its file list.

Checklist:

1. File list is reachable from the project.
2. Files in the list is related to the selected project.
3. Project view is displayed as expected.

Test case 12. File adding

Objective: Check is file can be added under project

Procedure:

1. Navigate to the project file list.
2. Press add button.
3. In the dialog form enter needed information.
4. Confirm file addition.

Checklist:

1. Add file dialog displayed properly.
2. After adding file appear under selected project.

Test case 13. File editing

Objective: Check is file is editable

Procedure:

- 1.Navigate to the project's file list.
- 2.Select any file.
- 3.Start editing this file.
- 4.In the edit dialog form change values.
- 5.Save changes.

Checklist:

- 1.Edit dialog displayed as expected.
- 2.After saving, file information updates on the view.

Test case 14. File deletion

Objective: Confirm file deleted with warning.

Procedure:

- 1.Navigate to the project's file list.
- 2.Select any file to delete.
- 3.Delete this file.
- 4.In the deletion warning dialog confirm action.
- 5.Repeat steps 2 and 3 for another file.
- 6.Decline action.

Checklist:

- 1.Deletion dialog displayed as expected.
- 2.After deletion file is removed from the project's file list.
- 3.After declining action file is still visible on the list.
- 4.After reloading the application deleted files is not visible under the project.

Test case 15. Project generation settings

Objective: Confirm project generation settings reachable.

Procedure:

- 1.Navigate to the specific project screen.
- 2.Open generation settings dialog.

Checklist:

- 1.After opening dialog appear with relative information for this project.

Test case 16. File generation settings

Objective: Verify file generation settings dialog reachable.

Procedure:

1. Navigate to the project's file screen.
2. Open generation settings dialog.

Checklist:

1. After opening, dialog appear with relative information for this file.

Test case 17. Project generation process

Objective: Confirm that project generation can be started.

Procedure:

1. Navigate to the specific project screen.
2. Start generation.

Checklist:

1. Generation can be started from the project screen.
2. After generation is started user is notified – proper message is appeared on the screen.

Test case 18. File generation process

Objective: Confirm file generation can be started.

Procedure:

1. Navigate to the specific project's file list.
2. Select any file.
3. Start generation.

Checklist:

1. File generation can be started.
2. Appropriate message appears.

Test case 19. Templates screen

Objective: Confirm that templates screen is reachable.

Procedure:

1. From the home page navigate to the templates screen.

Checklist:

1. Template screen is displayed properly.

Test case 20. Template addition

Objective: Confirm templates can be added to the app.

Procedure:

- 1.Navigate to the templates screen.
- 2.Add template.
- 3.In the add template dialog form input needed information.
- 4.Confirm action.

Checklist:

- 1.Add template dialog appear properly.
- 2.Information can be set in this dialog.
- 3.Template is added after action confirmed.

Test case 21. Template editing

Objective: Verify templates can be edited.

Procedure:

- 1.Navigate to the templates screen.
- 2.Select any template.
- 3.Edit selected template.

Checklist:

- 1.Editing dialog displayed as expected.
- 2.Information in the dialog equals to template information.
- 3.Information can be changed.
- 4.After saving template is updated on the view.

Test case 22. Template deletion

Objective: Verify template can be deleted.

Procedure:

- 1.Delete any template.
- 2.In delete dialog decline action.
- 3.Repeat deletion and confirm action.

Checklist:

- 1.Delete dialog displayed properly.
- 2.After canceling the action template is not removed.
- 3.After confirming the action template is deleted.
- 4.After reloading the application this template is not visible.

Test case 23. Template applying

Objective: Verify the template can be set by applied.

Procedure:

1. Navigate to the specific file screen.
2. Open generation settings dialog.
3. Select any code structure.
4. Apply new template for this structure.

Checklist:

1. Applied template will be used on the generation.

Test case 24. Setting default template

Objective:

1. Procedure: Navigate to the templates screen.
2. Select any template and apply it as default.

Checklist:

2. Selected template displayed as default.

Test case 25. Customizing template on generation

Objective: Verify is saved templates could be used during generation.

Procedure:

1. Navigate to the specific file/project generation settings.
2. Edit any generation step, changing its template.

Checklist:

1. Changing template is working from generation settings.
2. Set template is used from the generation.

Test case 26. Testing screen

Objective: Verify is testing screen is reachable.

Procedure:

1. From the home page navigate to the testing screen.

Checklist:

1. Testing screen is displayed as expected.
2. On the testing screen displayed existing or possible tests.

Test case 27. Test addition

Objective: Confirm test can be added.

Procedure:

- 1.Navigate to the test screen.
- 2.Add test.
- 3.In the dialog form input needed information.
- 4.Confirm action.

Checklist:

- 1.Add test dialog appears properly.
- 2.Information can be editable.
- 3.After confirming test displayed on list.

Test case 28. Test editing

Objective: Confirm test can be edited.

Procedure:

- 1.Navigate to the test screen.
- 2.Select any test to edit.
- 3.In the edit dialog change information.
- 4.Confirm action.

Checklist:

- 1.Edit dialog appears as expected.
- 2.Information displayed is related to selected test.
- 3.All information can be edited.
- 4.After action confirmed, test information is updated.

Test case 29. Test deletion

Objective: Confirm test can be deleted.

Procedure:

- 1.Navigate to the test screen.
- 2.Delete any test.
- 3.In the deletion menu decline action.
- 4.Redetele test, confirm action.

Checklist:

- 1.Delete dialog displayed as expected.
- 2.After deletion is declined, test is still in the list.
- 3.After deletion confirmed, test is removed from the list even after reloading application.

Test case 30. Test generation

Objective: Confirm test can be generated.

Procedure:

- 1.Navigate to the tests screen.
- 2.Start generation.

Checklist:

- 1.Test generation can be started.
- 2.After generation is started appropriate message displayed.

Test case 31. Test suggestion

Objective: Confirm application can suggest what test to add.

Procedure:

- 1.Navigate to the test screen.
- 2.Open suggest view.

Checklist:

- 1.Suggest view can be reached from the test screen.
- 2.In the suggestion we can see methods and classes from added project/files.

Test case 32. Documentation screen

Objective: Check is documentation screen reachable.

Procedure:

- 1.Navigate to the documentation screen from home page.

Checklist:

- 1.Documentation screen displayed as expected.

Test case 33. Documentation addition

Objective: Verify documentation can be added

Procedure:

- 1.Add documentation from documentation screen.

Checklist:

- 1.Add documentation appears as expected.
- 2.Information is editable.
- 3.After addition documentation appears in the list.

Test case 34. One documentation – multiple places

Objective: Verify documentation can be added in the multiple places

Procedure:

1. In the add dialog or documentation details set up multiple usage.

Checklist:

1. Documentation can be used for multiple places.

Test case 35. Documentation edition

Objective: Verify documentation can be edited.

Procedure:

1. Navigate to the documentation screen.
2. Select any documentation to edit.
3. Edit values in the dialog.
4. Apply changes.

Checklist:

1. Edit dialog is displayed properly.
2. Value from documentation is used in dialog.
3. Changes are applied for the documentation.

Test case 36. Documentation deletion

Objective: Verify documentation can be deleted.

Procedure:

1. Navigate to the documentation screen.
2. Select any documentation.
3. In the delete dialog decline action.
4. In the delete dialog accept action.

Checklist:

1. Delete documentation screen appears as expected.
2. After delete is declined documentation is left in the list.
3. After delete is confirmed, documentation is removed from the list.
4. If documentation was multiple usage, all places were updated.

Test case 37. Documentation applying

Objective: Verify documentation can be applied.

Procedure:

1. On the file screen open generation settings.
2. Select documentation for any code structure from the dropdown list.

Checklist:

1. Documentation is applied for selected code structure.

Test case 38. Documentation generation

Objective: Check is applied documentation is used during generation.

Procedure:

1. For changed documentation start generation.

Checklist:

1. Generated file contains used documentation

Test case 39. Documentation removal

Objective: Check is documentation can be removed from the code structure.

Procedure:

1. Navigate to the file generation setting screen.
2. Remove documentation from any code structure.

Checklist:

1. During generation code structure will left without documentation.
2. Documentation is still visible in the documentation screen.

Test case 40. Generation history screen

Objective: Verify generation history screen reachable.

Procedure:

1. Navigate to the generation history screen.

Checklist:

1. Generation history screen displayed as expected.

Test case 41. Generation progress

Objective: Confirm generation progress is displayed.

Procedure:

1. Start generation for project with great number of files.

Checklist:

1. During the generation progress will be displayed in the status bar | special message.

Test case 42. Generation aborting

Objective: Verify generation can be canceled.

Procedure:

1. During the project generation cancel process.

Checklist:

1. Generation is stopped.
2. All generated files are restored.

Test case 43. Generation settings

Objective: Check is generation settings screen is accessible.

Procedure:

1. Navigate to the global generation settings.

Checklist:

1. Global generation settings screen displayed properly.

Test case 44. Project parsing

Objective: Verify project can be added from the existing project folder.

Procedure:

1. Navigate to the projects screen.
2. Start parsing.
3. Select project folder parse from.

Checklist:

1. After parsing project appears in the list.
2. Project contain files with already set up code base.

Test case 45. Version conversion

Objective: Verify is project can be converted to another version.

Procedure:

1. Select any project.
2. Start conversion.
3. Select any available version to convert.

Checklist:

1. Project conversion dialog displayed properly.
2. Project converted to another version and saved as a new project.
3. Old project is not modified.

Test case 46. Programming Language conversion

Objective: Verify is project can be converted to another programming version.

Procedure:

1. Select any project.
2. Start conversion.
3. Select any available version to convert.

Checklist:

1. Project conversion to another programming language displayed as expected.
2. Project is converted and saved as new one.
3. Source project is not modified.

Test case 47. Dynamic appearance layout

Objective: Confirm user can change appearance.

Procedure:

1. Navigate to the application settings screen.
2. Find appearance section.
3. Change these settings.

Checklist:

1. After changing setting application changed.
2. After discarding changes application will not be updated.
3. After confirming changes application will change its layout.

Test case 48. Translation Language contribution

Objective: Confirm user can add translation for application.

Procedure:

- 1.Navigate to the developer tab.
- 2.Input translation form.
- 3.Send to developer.

Checklist:

- 1.Translation is set for application.
- 2.Message in the e-mail send.

Test case 49. File restoring

Objective: Confirm user can restore file.

Procedure:

- 1.Delete any file.
- 2.Navigate to the history screen.
- 3.Restore file.

Checklist:

- 1.History screen is displayed properly.
- 2.File is restored.

Test case 50. Actions screen (Undo redo)

Objective: Check is action screen is usable.

Procedure:

- 1.Navigate to the actions screen.
- 2.Discard any action.

Checklist:

- 1.Action screen is accessible.
- 2.All actions are displayed.
- 3.After restoring one action this action changes and can be undone too.