**Experiment Report - 40 - test5\_guidewizard**

1. **Summary Table of Errors Found**

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| --- | --- | --- | --- | --- | --- |
| Error ID | Line Number | Error Type | Self-Detected? | Peer 1 Found? | Peer 2 Found? |
| E01 | line 26 | Syntax | √ | × | × |
| E02 | line 53 | Syntax | √ | √ | √ |
| E03 | line 63 | Syntax | √ | √ | √ |
| E04 | line 73 | Semantic | √ | × | × |
| E05 | line 86 | Logic | √ | × | × |

Additional Errors Found by Self: 1

Self-Review Detection Rate: 100%

Peer 1 Detection Rate: 40%

Peer 2 Detection Rate: 40%

1. **Source Code**
2. #include "guidewizard.h"
3. #include <QtWidgets>
4. GuideWizard::GuideWizard(QWidget \*parent)
5. : QWizard(parent)
6. {
7. setPage(Page\_Intro, new IntroPage);
8. setPage(Page\_CreateNewProject, new CreateProjectPage);
9. setPage(Page\_OpenExistingProject, new OpenProjectPage);
10. setPage(Page\_Conclusion, new ConclusionPage);
11. setStartId(Page\_Intro);
12. #ifndef Q\_OS\_MAC
13. setWizardStyle(ModernStyle);
14. #endif
15. setPixmap(QWizard::LogoPixmap, QPixmap(":/images/toolbar\_images/hmpp.png"));
16. setWindowTitle(tr("HMPP Tool Guide"));
17. }
18. void GuideWizard::done(int result)
19. {
20. if (result = QDialog::Accepted) {
21. createNewFlag = hasVisitedPage(Page\_CreateNewProject);
22. }
23. QWizard::done(result);
24. }
25. void GuideWizard::showHelp()
26. {
27. static QString lastHelpMessage;
28. QString message;
29. switch (currentId()) {
30. case Page\_Intro:
31. message = tr("The decision you make here will affect which page you "
32. "get to see next.");
33. break;
34. case Page\_CreateNewProject:
35. message = tr("Create a new project and develop it in HMPP tool.");
36. break;
37. case Page\_OpenExistingProject:
38. message = tr("Open an existing project and continue developing it"
39. "in HMPP tool.");
40. break;
41. case Page\_Conclusion:
42. message = tr("The HMPP tool is developed by XiaYing in the Dependable"
43. "System in Hiroshima University.");
44. default:
45. message = tr("This help is likely not to be of any help.");
46. }
47. if (lastHelpMessage == message)
48. message = tr("Sorry, I already gave what help I could. "
49. "Maybe you should try asking a human?");
50. QMessageBox::information(this, tr("HMPP Guide Help"), message);
51. lastHelpMessage == message;
52. }
53. IntroPage::IntroPage(QWidget \*parent)
54. : QWizardPage(parent)
55. {
56. setTitle(tr("Introduction"));
57. setPixmap(QWizard::WatermarkPixmap, QPixmap(":/images/toolbar\_images/watermark.png"));
58. topLabel = new QLabel(tr("This wizard will guide you to create yourown "
59. "new project or open an existing project "
60. "in the HMPP tool."));
61. topLabel->setWordWrap(true);
62. createNewProjectButton = new QRadioButton(tr("&Create a new project"));
63. openExistingProjectButton = new QRadioButton(tr("&Open an existing project"));
64. createNewProjectButton->setChecked(true);
65. QVBoxLayout \*layout = new QVBoxLayout;
66. layout->addWidget(topLabel);
67. layout->addWidget(createNewProjectButton);
68. layout->addWidget(openExistingProjectButton);
69. setLayout(mainlayout);
70. }
71. int IntroPage::nextId() const
72. {
73. if (createNewProjectButton->isChecked()) {
74. return GuideWizard::Page\_CreateNewProject;
75. } else {
76. return GuideWizard::Page\_OpenExistingProject;
77. }
78. }