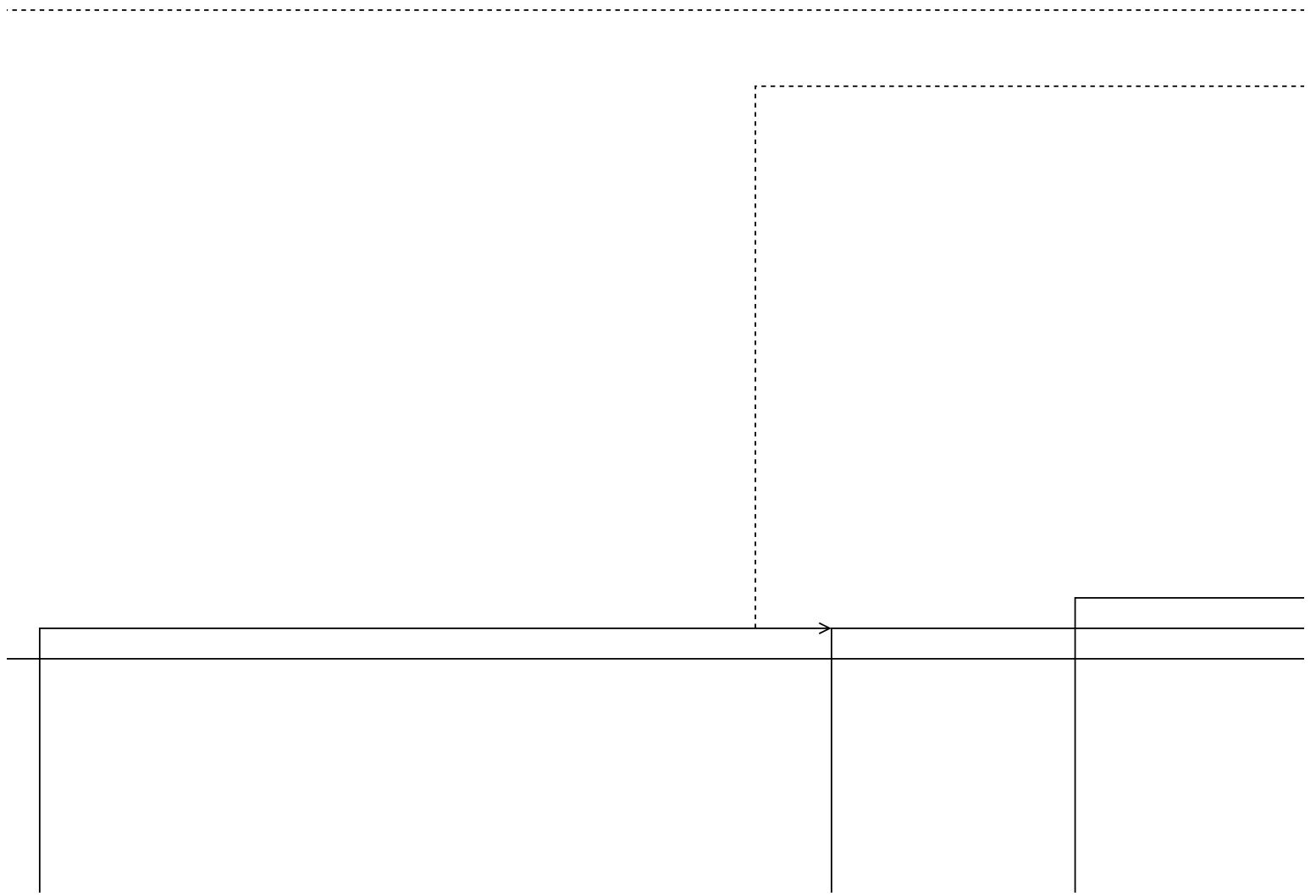


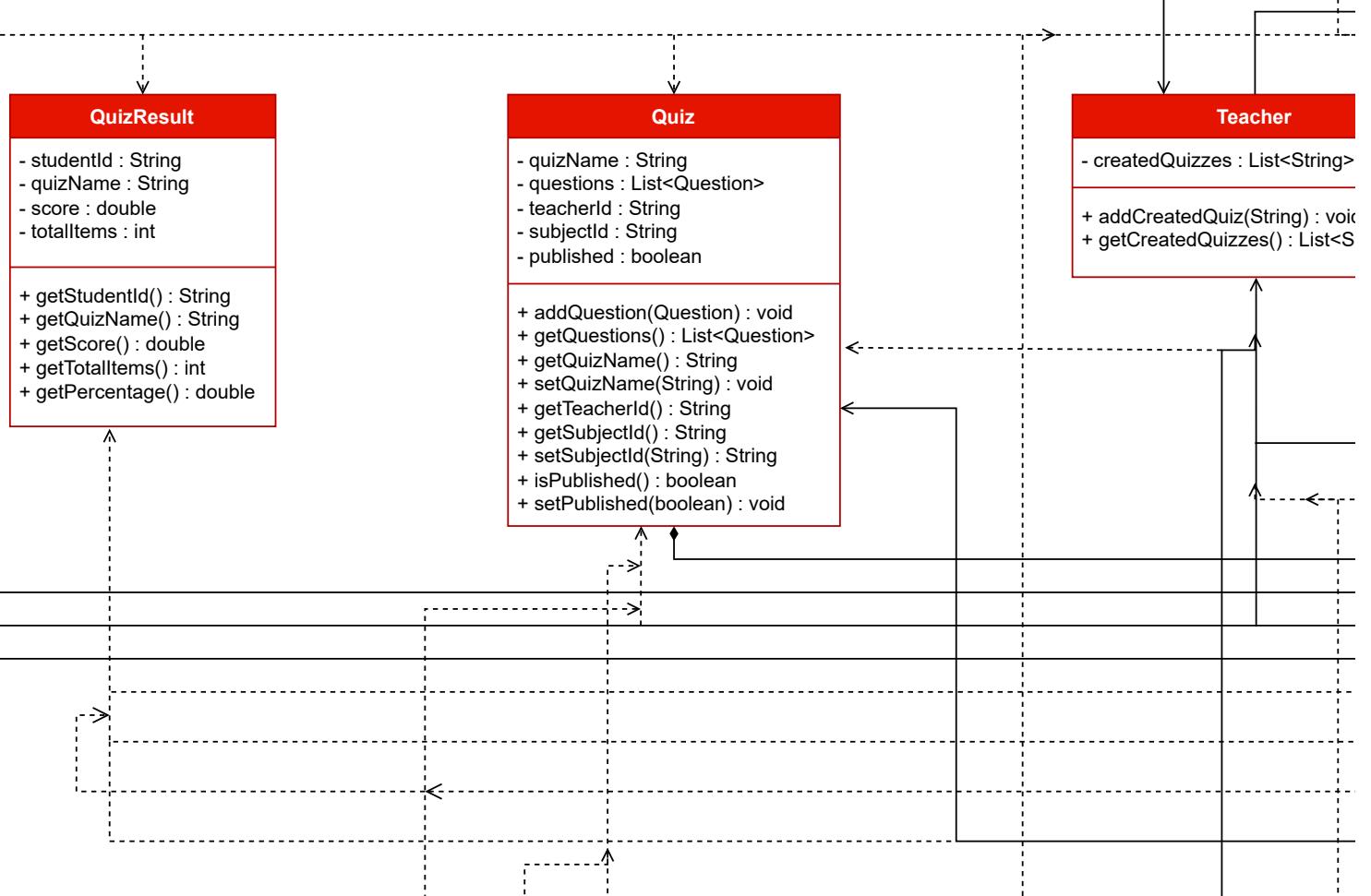
M

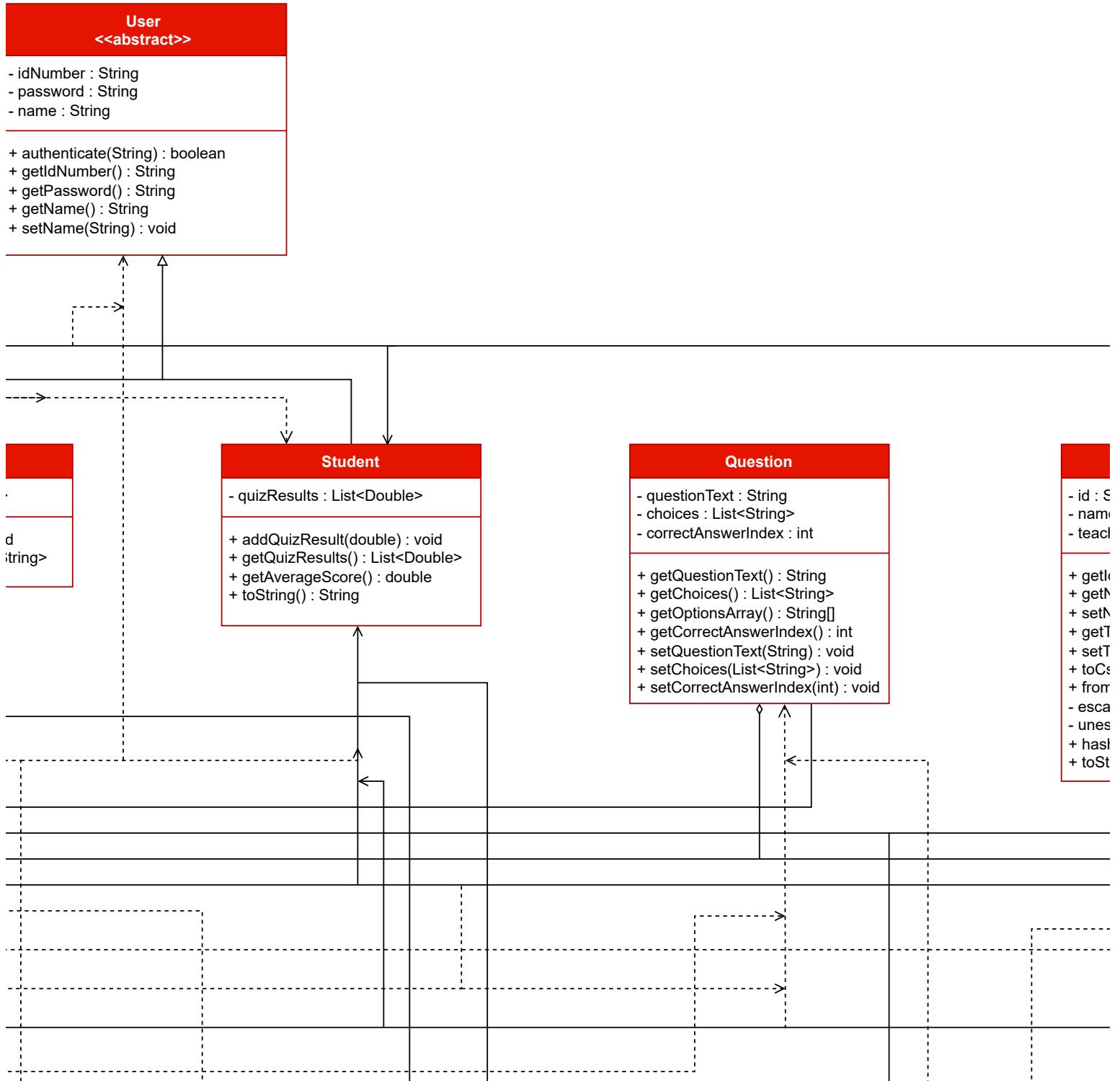
FileN

odel

Manager

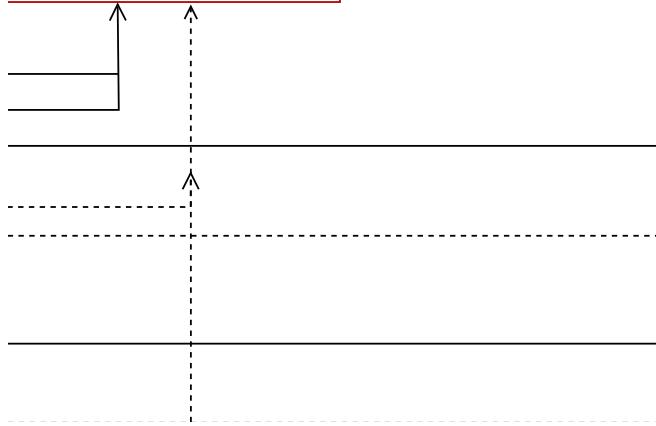


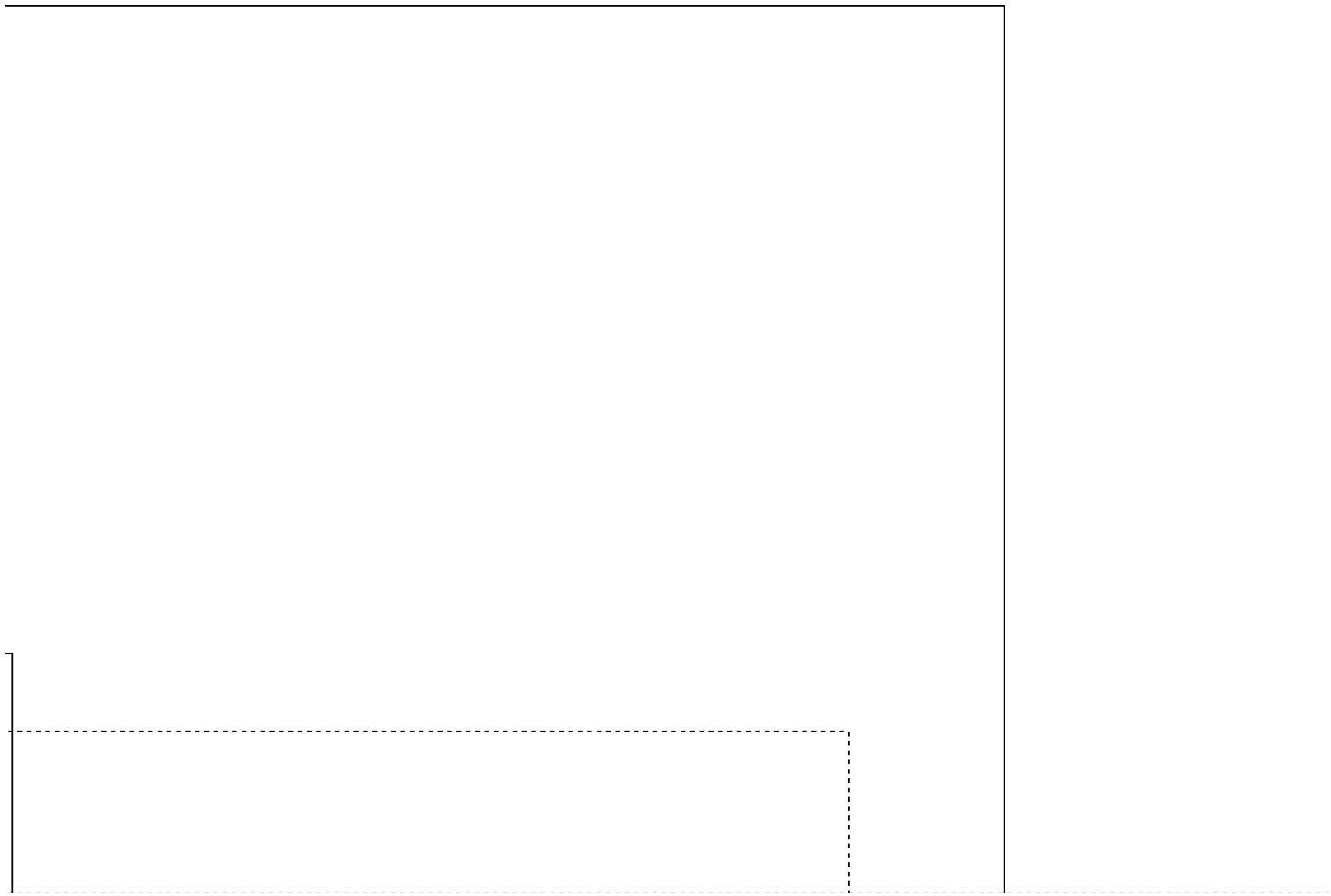


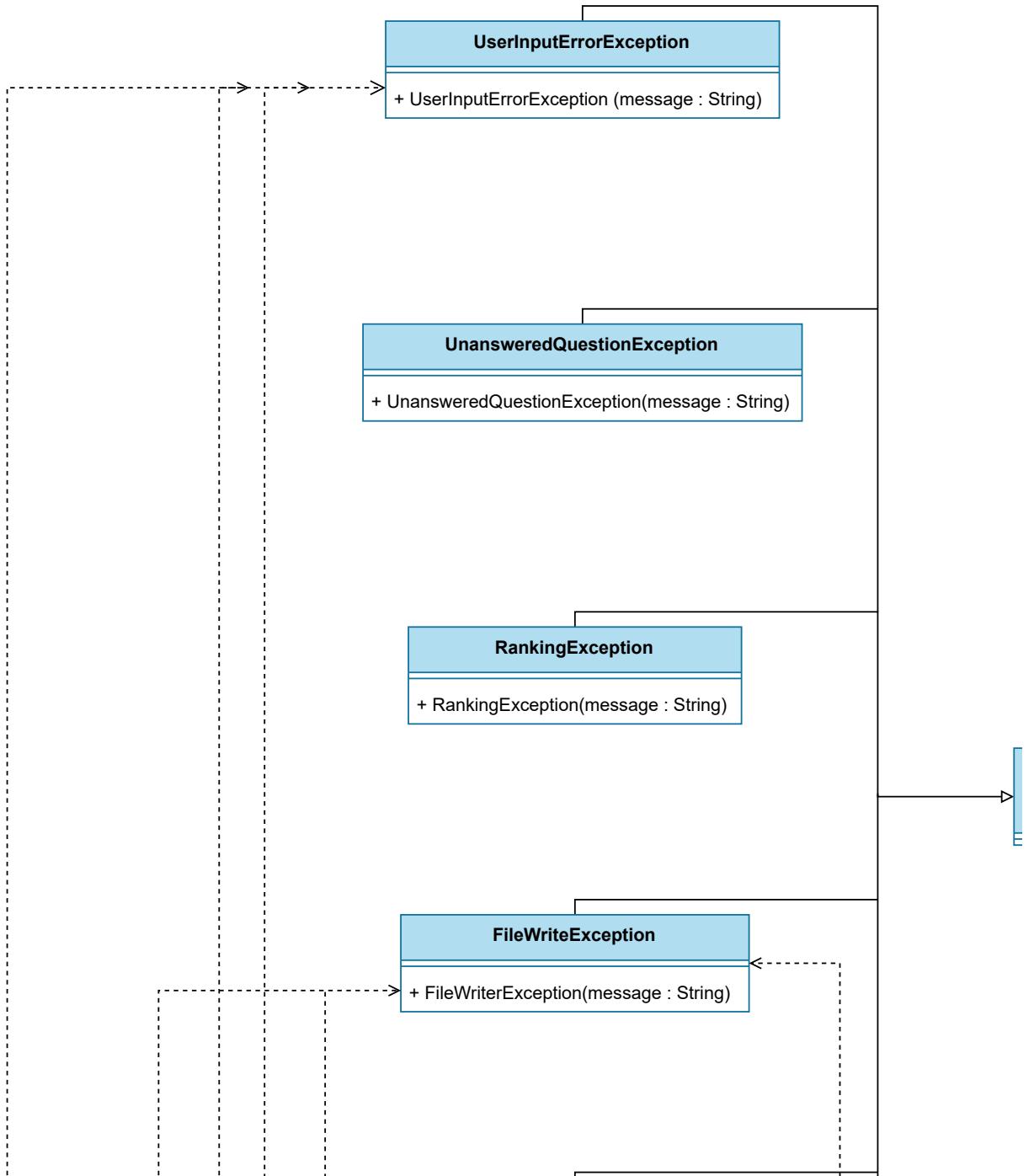


Subject

```
String {final}  
e : String  
herId : String  
  
d() : String  
Name() : String  
Name(String) : void  
TeacherId() : String  
TeacherId(String) : void  
svRow() : String  
nCsvRow(String) : Subject {static}  
ape(String) : String {static}  
scape(String) : String {static}  
hCode() : int  
tring() : String
```







Exception

<<java.lang>>
Exception

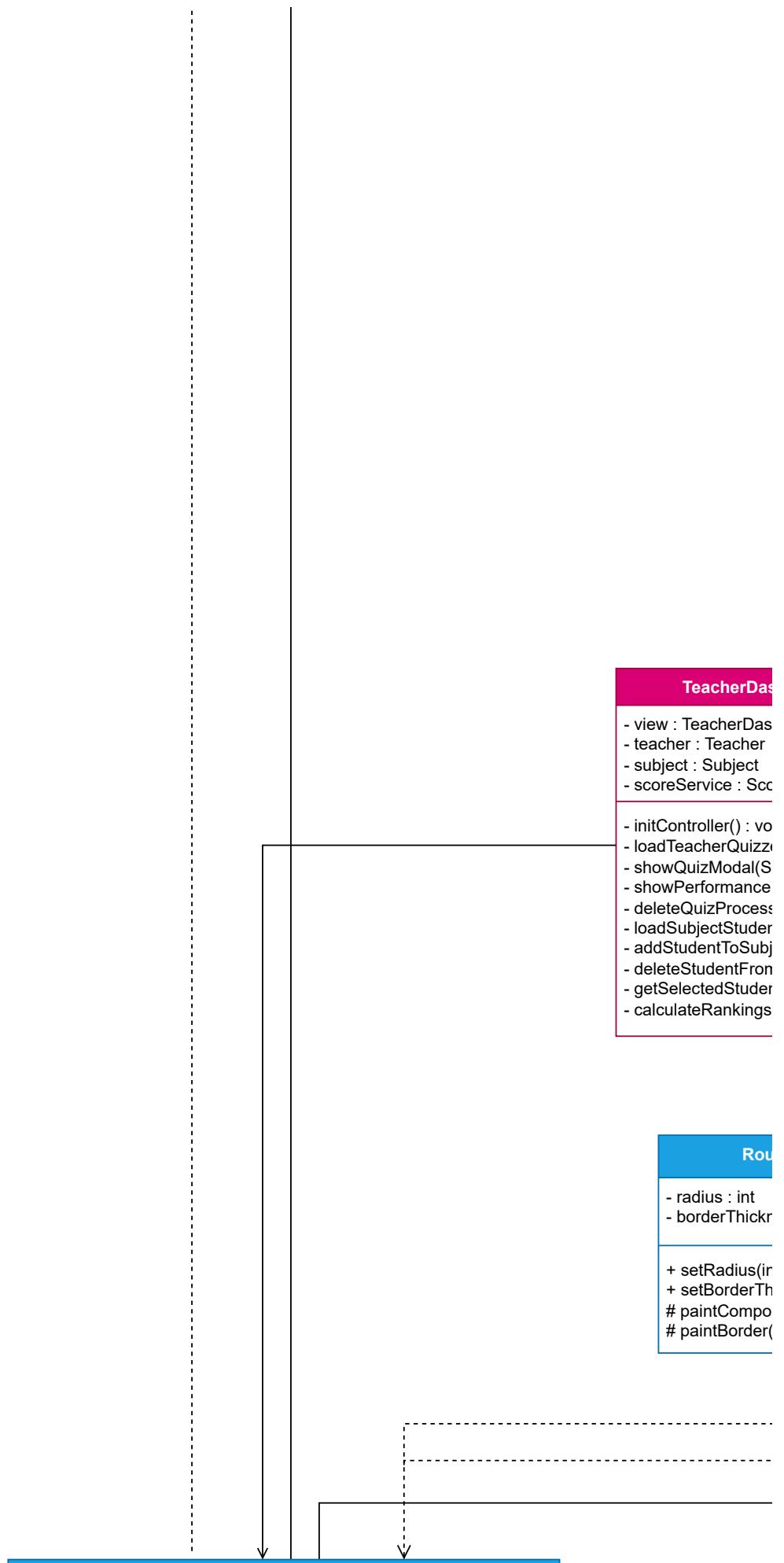
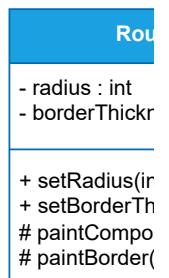
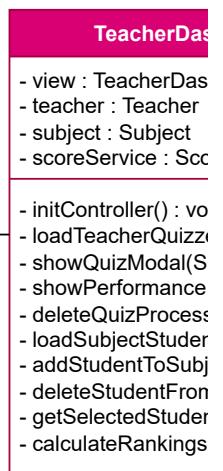
Co

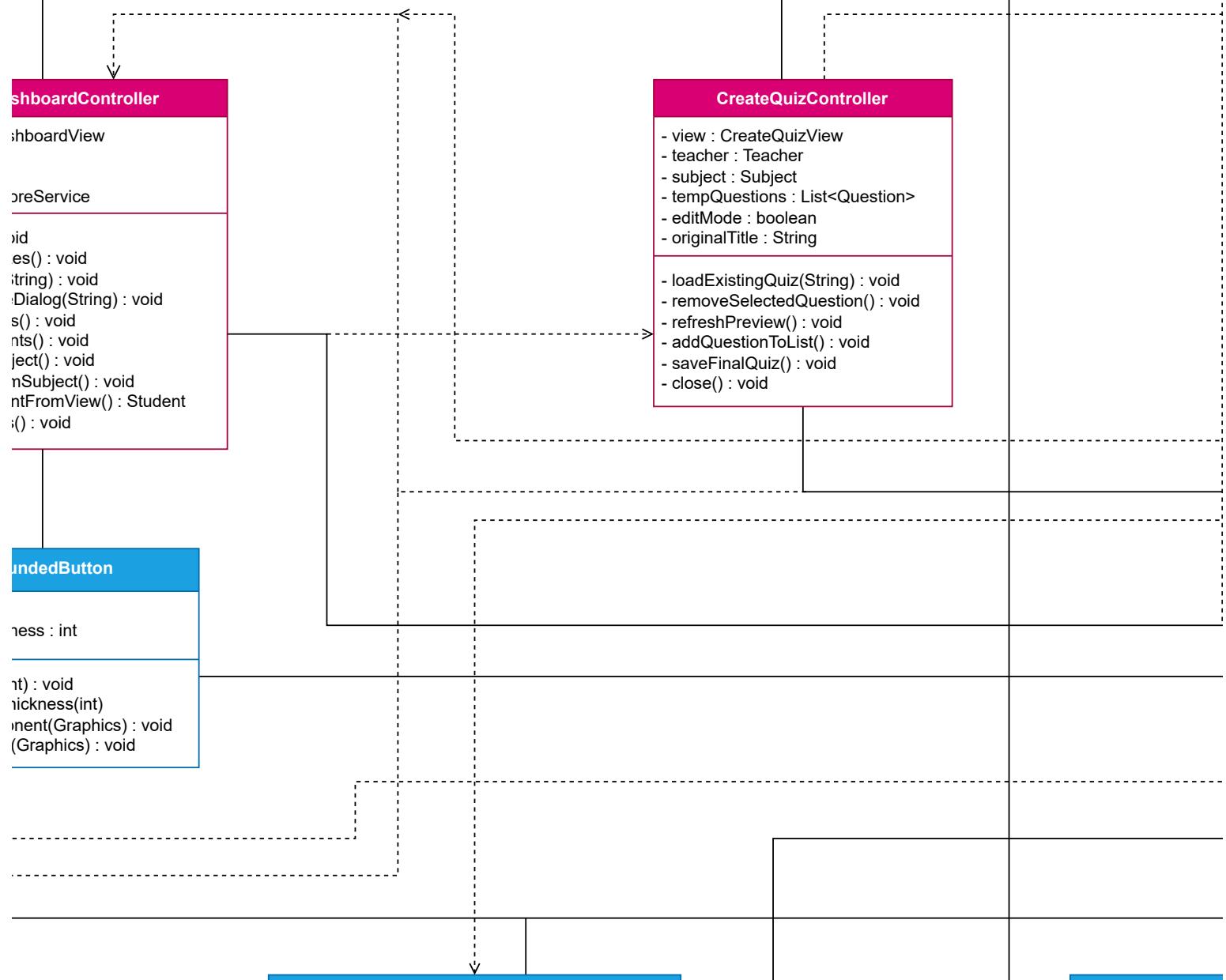
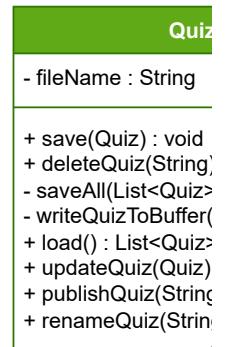
V



Controller

View





```

zFileManager

) : void
> : void
(BufferedWriter, Quiz) : void
>
i : void
g) : void
ig, String) : void

```

```

FileManager<T>
<<abstract>>

# fileName : String

+ save(List<T>) : void
+ load() : List<T>
# convertToString(T) : String
# parseLine(String) : T

```

StudentFileManager

TeacherFileManager

QuizListController

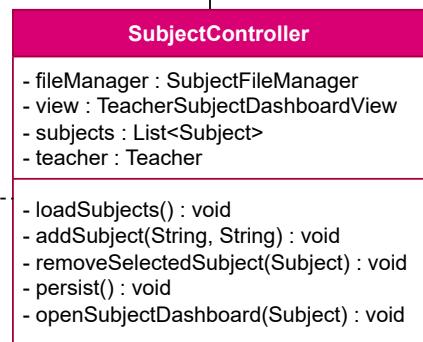
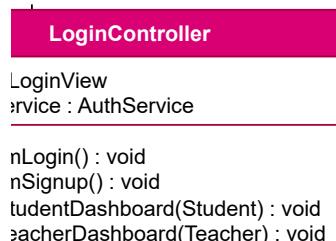
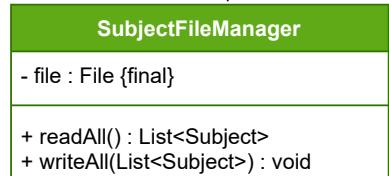
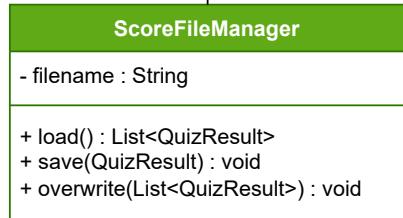
```

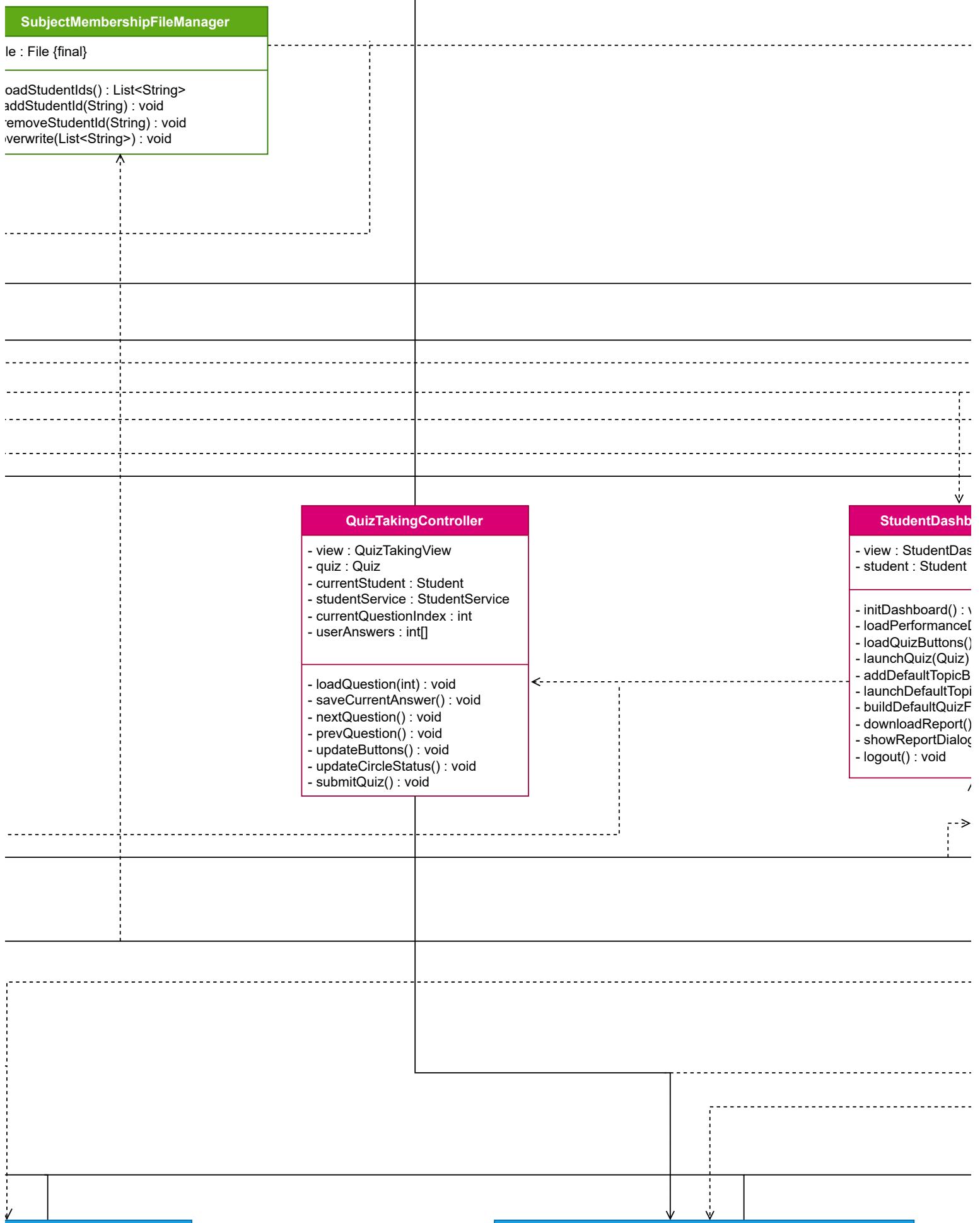
- quizManager : QuizFileManager = new QuizFileManager("quizzes.txt")

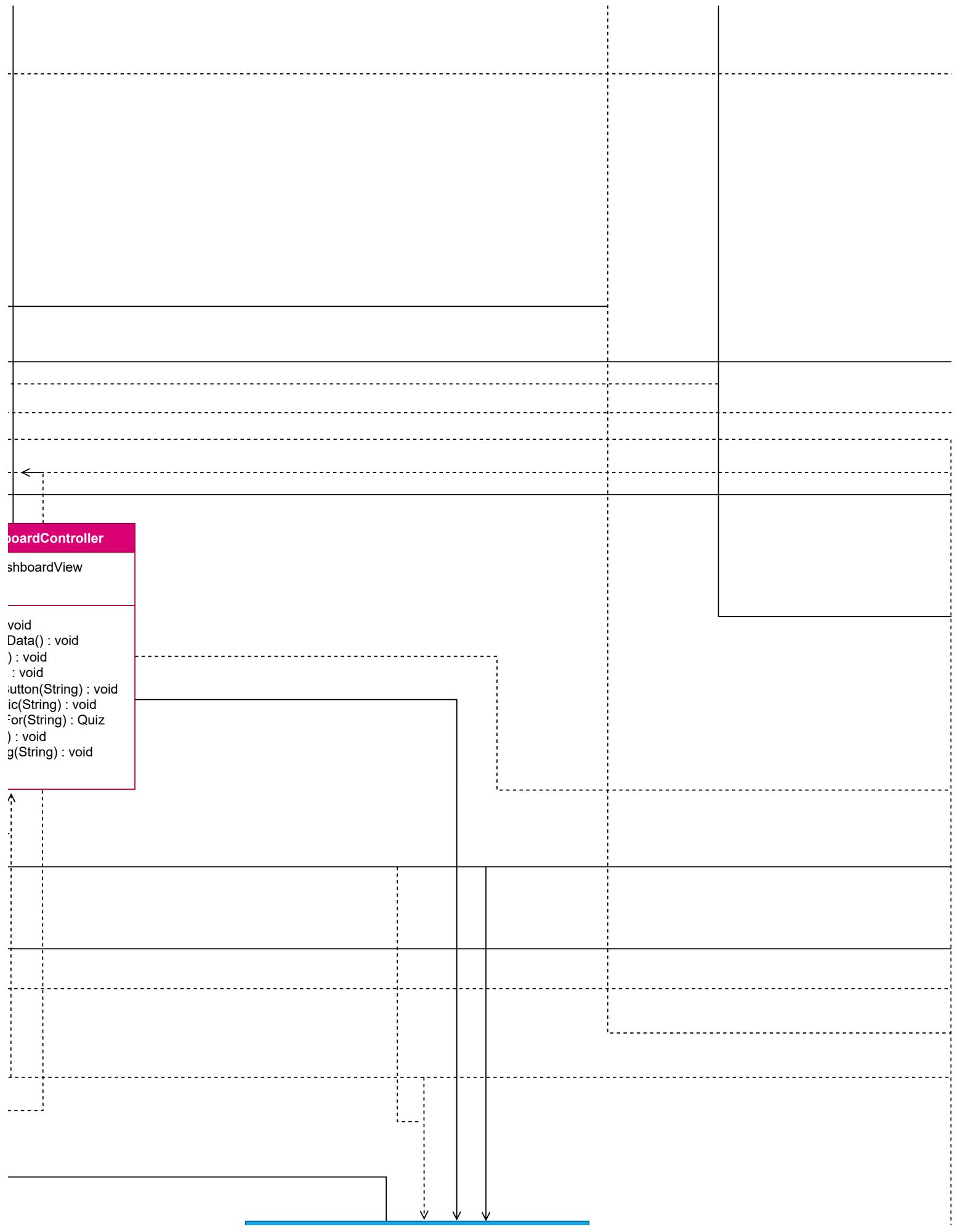
+ getAvailableQuizzes() : List<Quiz>

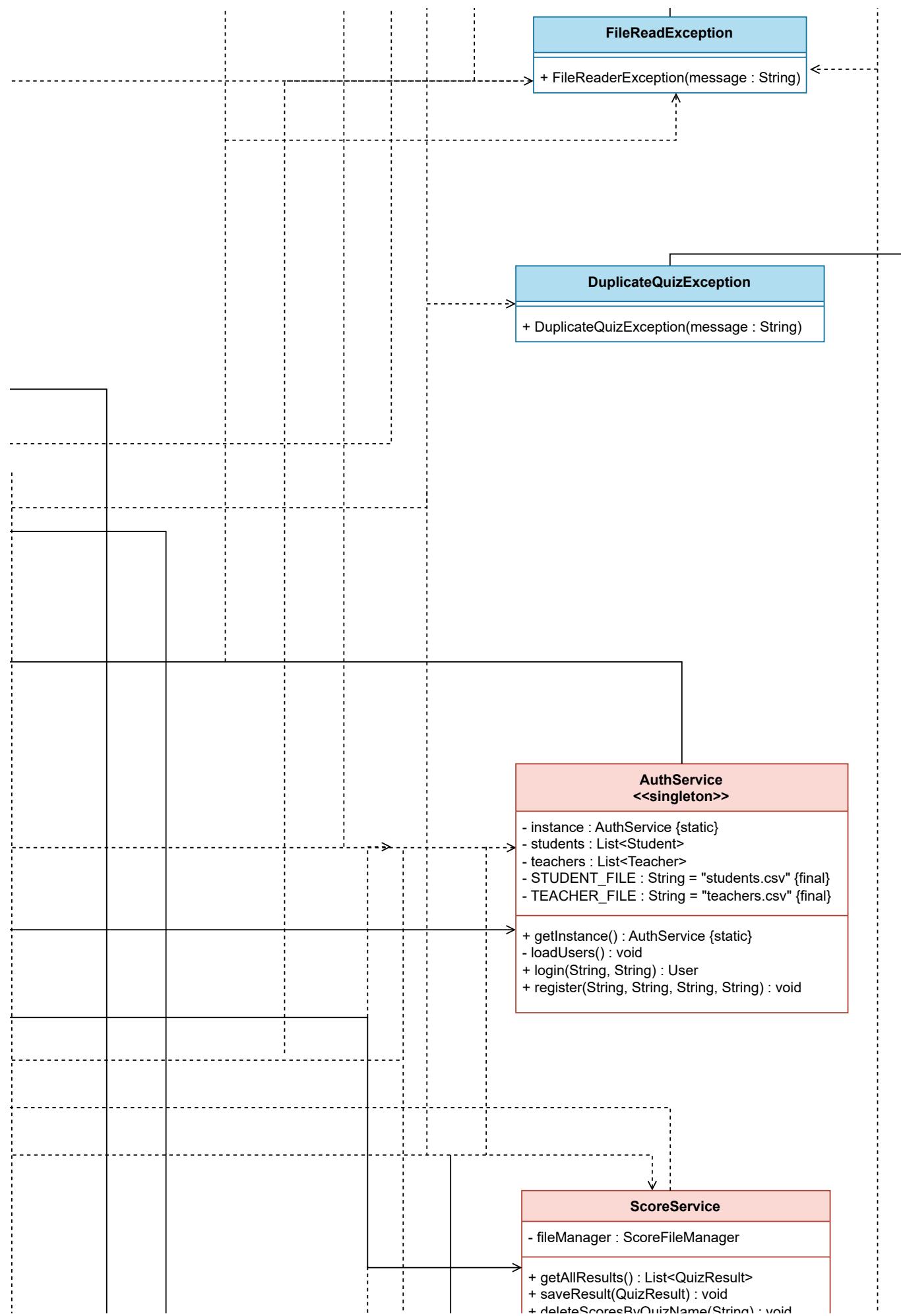
```

- view : L
- authSe
- perform
- perform
- openSt
- openTe









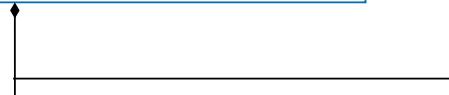


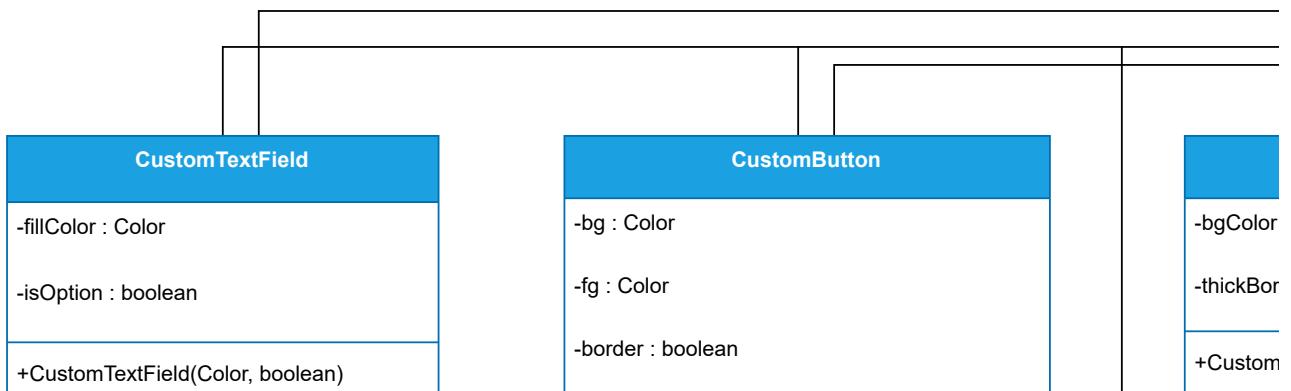
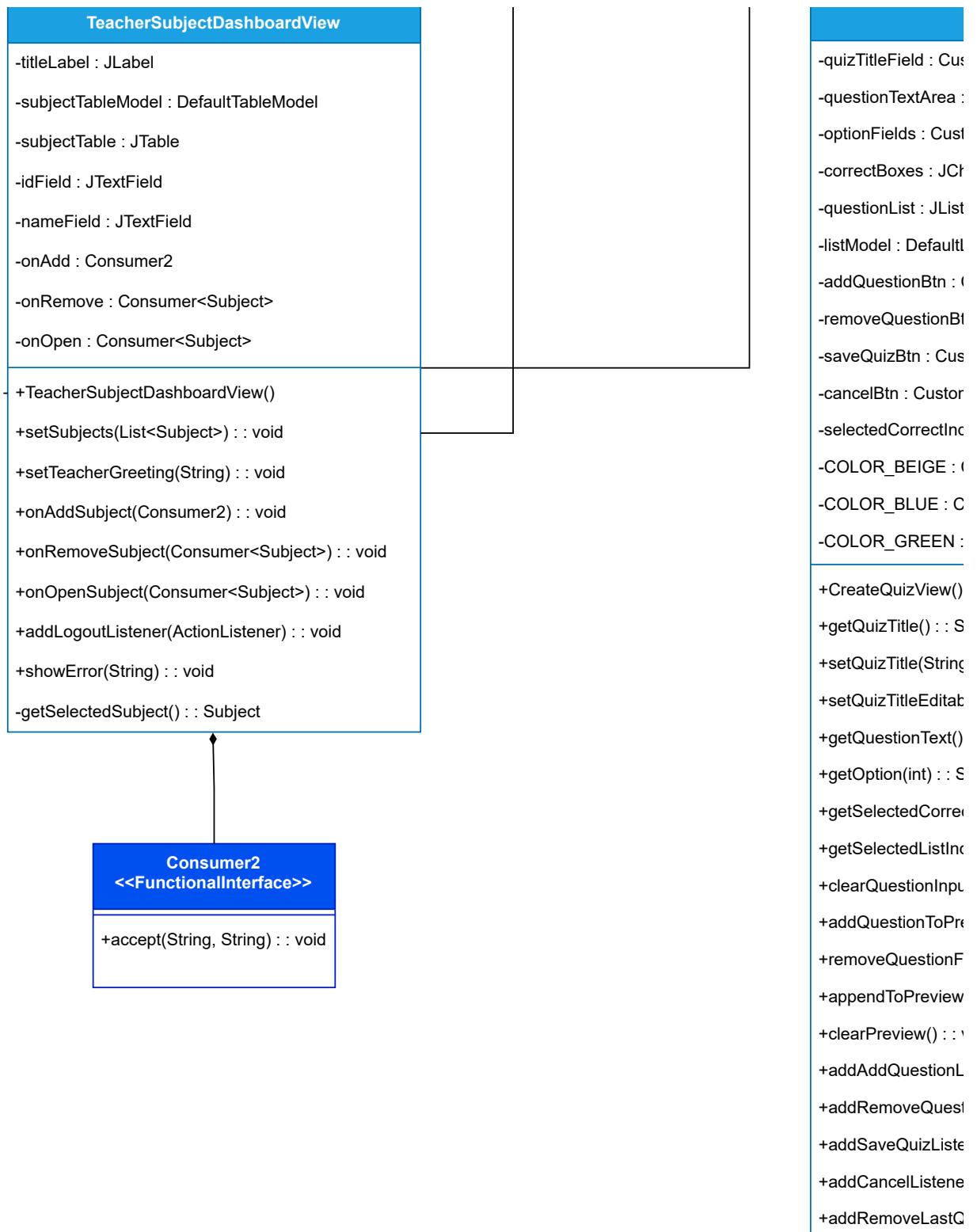

```

TeacherDashboardView
-welcomeLabel : JLabel
-createQuizButton : JButton
-deleteQuizButton : JButton
-logoutButton : JButton
-rankTable : JTable
-rankModel : DefaultTableModel
-refreshRankBtn : JButton
-backButton : JButton
-studentTable : JTable
-studentTableModel : DefaultTableModel
-addStudentBtn : JButton
-deleteStudentBtn : JButton
-quizButtonsPanel : JPanel
-quizScroll : JScrollPane
-quizContainer : JPanel
-tabbedPane : JTabbedPane
-logoLabel : JLabel
-appLogoImage : Image
-BASE_W : double = 1280.0F {final}
-BASE_H : double = 720.0F {final}

+TeacherDashboardView()
+setTeacherName(String) :: void
+clearQuizButtons() :: void
+addQuizButton(String, ActionListener) :: void
+addRankingRow(int, String, double) :: void
+clearRankings() :: void
+addRefreshRankListener(ActionListener) :: void
+addLogoutListener(ActionListener) :: void
+addCreateQuizListener(ActionListener) :: void
+addDeleteQuizListener(ActionListener) :: void
+addBackListener(ActionListener) :: void
+setQuizList(List<String>) :: void
+addAddStudentToSubjectListener(ActionListener) :: void
+addDeleteStudentFromSubjectListener(ActionListener) :: void
+setStudents(List<Student>) :: void
GetCurrentQuizCols() :: int
-relayoutQuizButtons(int) :: void
-createStyledScrollPane(Component) :: JScrollPane
-applyResponsiveScaling() :: void

```





CreateQuizView

```
stomTextField  
: CustomTextArea  
tomTextField[]  
heckBox[]  
t<String>  
ListModel<String>  
CustomButton  
tn : CustomButton  
stomButton  
nButton  
dex : int  
Color  
Color  
: Color
```

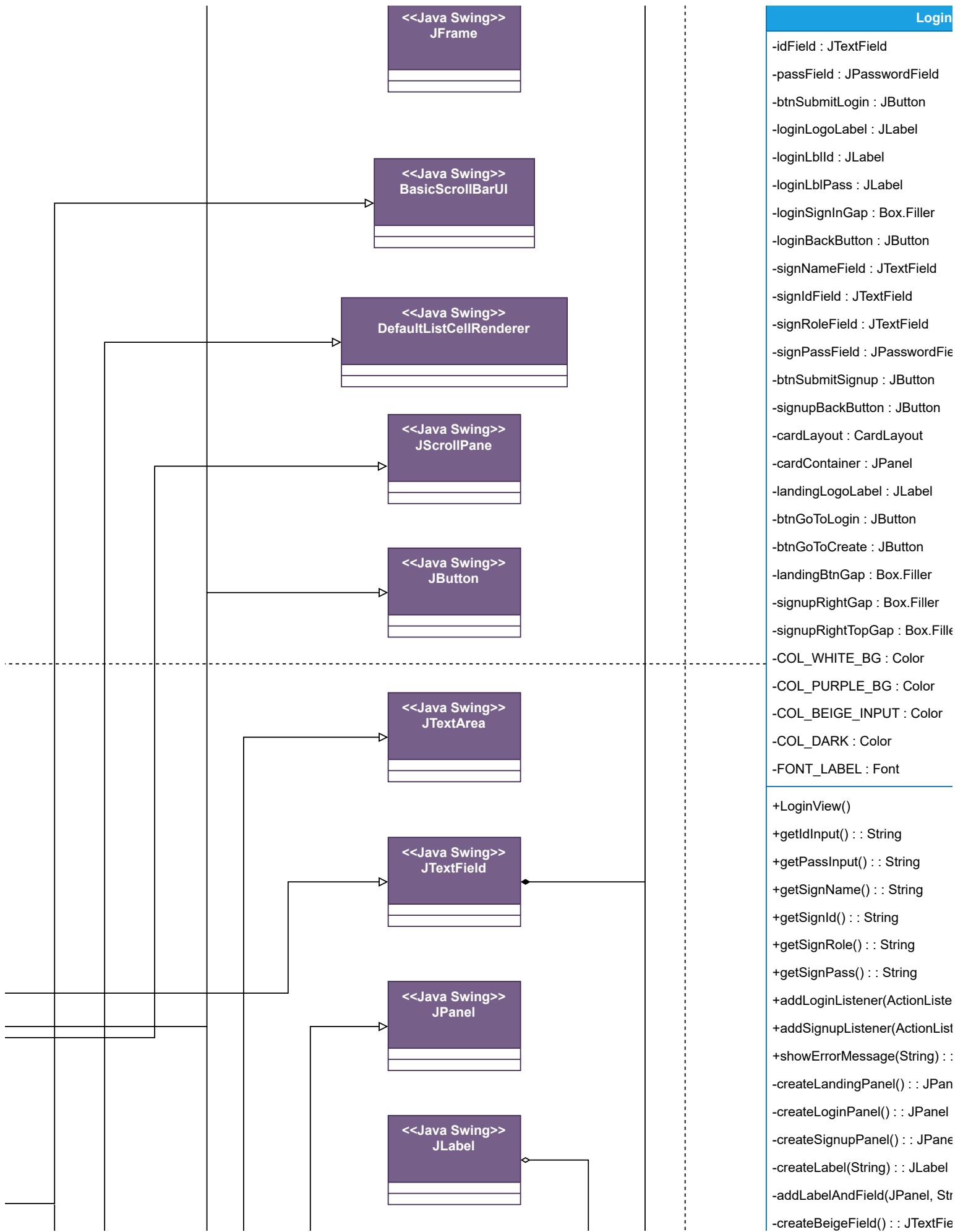
```
|  
String  
g) :: void  
ole(boolean) :: void  
) :: String  
String  
ctlIndex() :: int  
dex() :: int  
uts() :: void  
eview(String) :: void  
romPreview(int) :: void  
r(String) :: void  
void  
_istener(ActionListener) :: void  
tionListener(ActionListener) :: void  
ener(ActionListener) :: void  
er(ActionListener) :: void  
QuestionListener(ActionListener) :: void
```

CustomScrollPane

```
: Color  
order : boolean  
nScrollPane(JComponent, Color)
```

PurpleScrollBarUI

```
-trackColor : Color  
-thumbColor : Color  
-thumbHoverColor : Color
```



View

eld

er

iner) :: void

tener) :: void

void

nel

el

ring) :: JTextField

eld

QuizTakingView

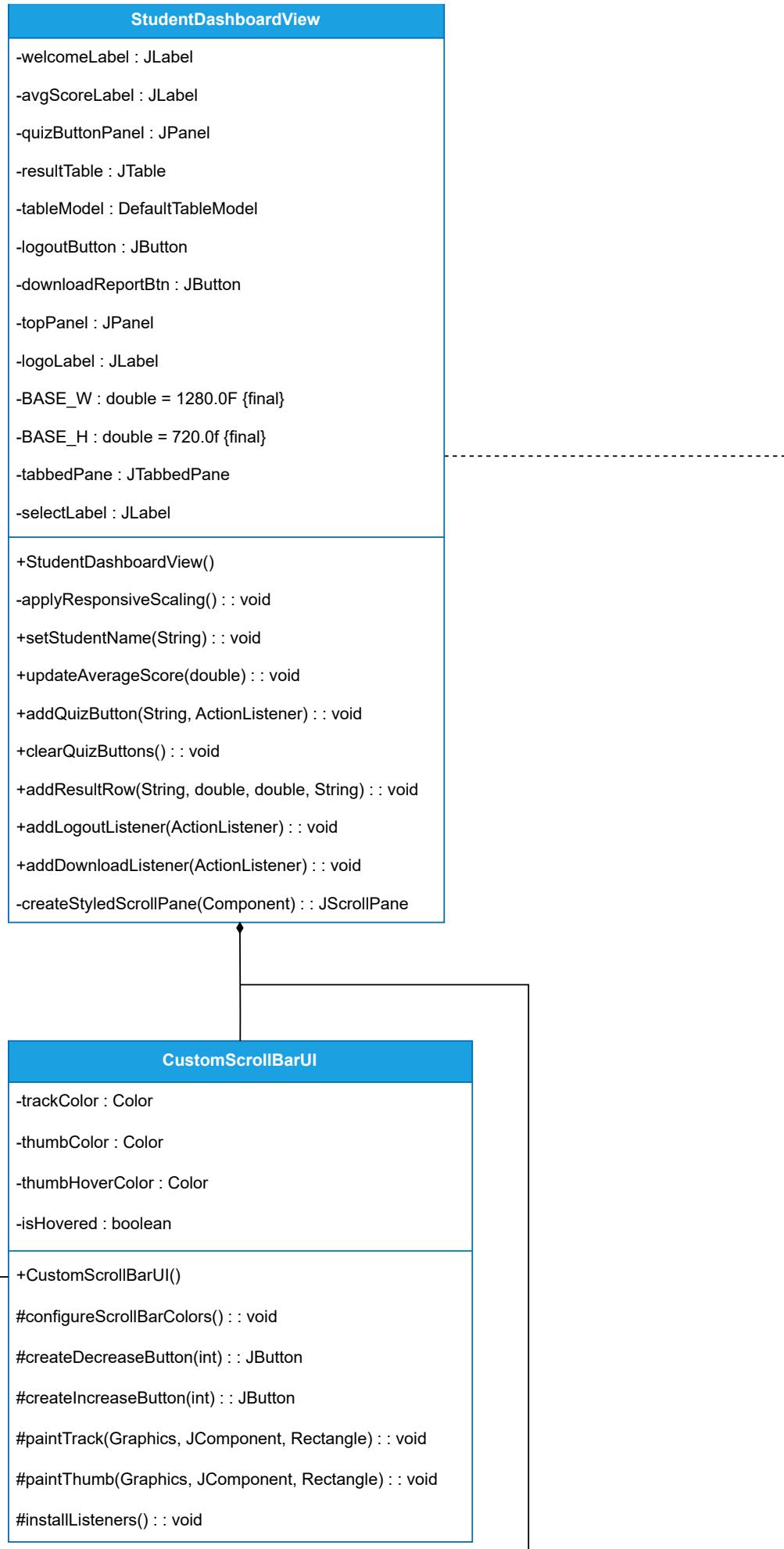
-COLOR_BG_OUTER : Color
-COLOR_BG_CARD : Color
-COLOR_TEXT_WHITE : Color
-OPTION_COLORS : Color[]
-COLOR_OPT_CORRECT : Color
-COLOR_OPT_WRONG : Color
-COLOR_DISABLED : Color
-COLOR_NAV_BG : Color
-COLOR_FINISH_BG : Color
-COLOR_CIRCLE_DEFAULT : Color
-COLOR_CIRCLE_GREEN : Color
-COLOR_CIRCLE_RED : Color
-questionLabel : JLabel
-optionButtons : JButton[]
-questionCircles : JButton[]
-btnPrev : JButton
-btnNext : JButton
-btnSubmit : JButton
-selectedOptionIndex : int

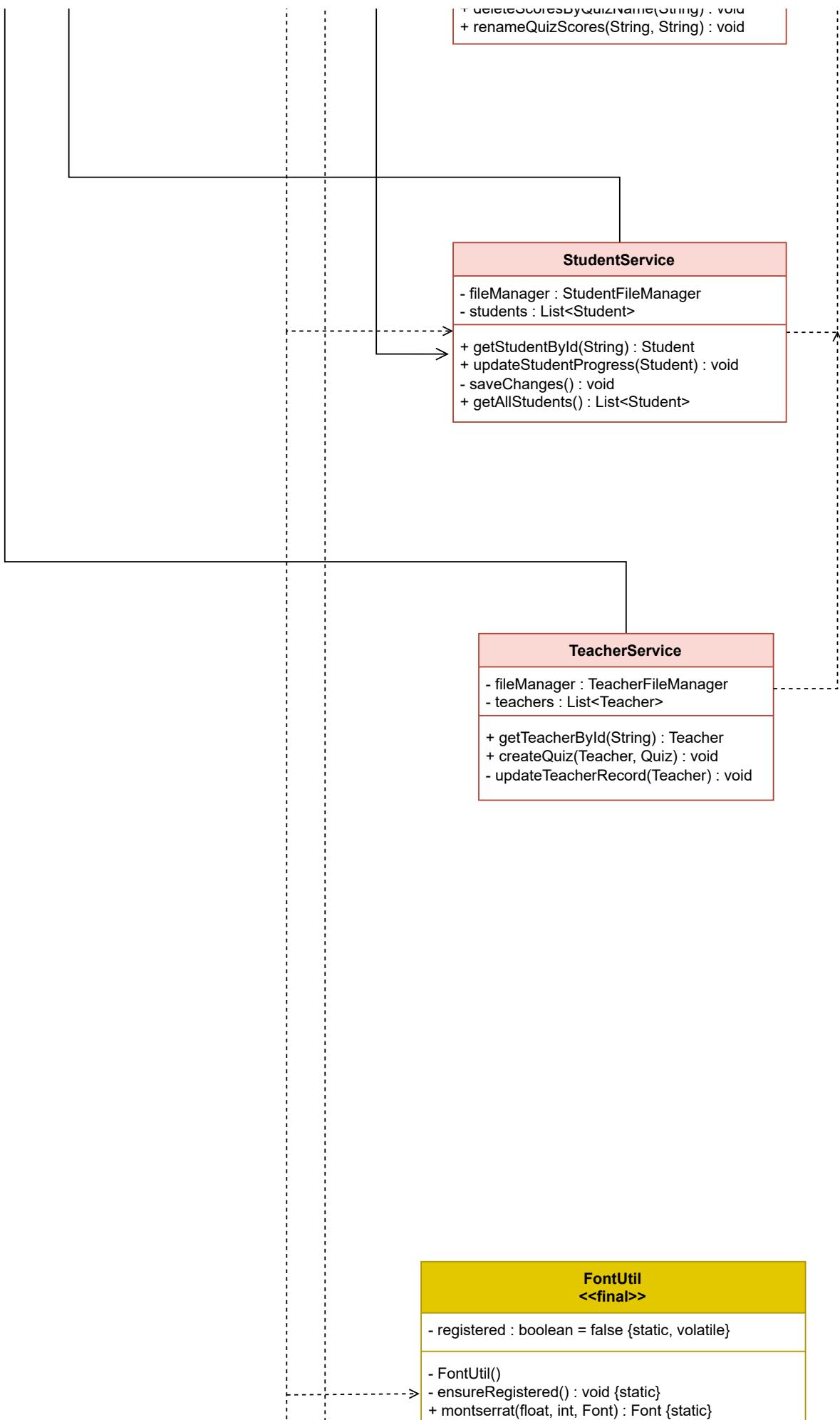
+QuizTakingView()
+setupQuestionNavigator(int) :: void
+addNavigationListener(ActionListener) :: void
+setQuestionText(String) :: void
+setOptions(String[]) :: void
+getSelectedOptionIndex() :: int
+setSelectedOption(int) :: void
+setQuestionStatus(int, int) :: void
+getBtnNext() :: JButton
+getBtnPrev() :: JButton
+getBtnSubmit() :: JButton
-createOptionButton(String, int) :: JButton
-createCustomButton(String, Color, Color, int, int, int) :: JButton
-createCircleButton(String) :: JButton

CustomHoverButton

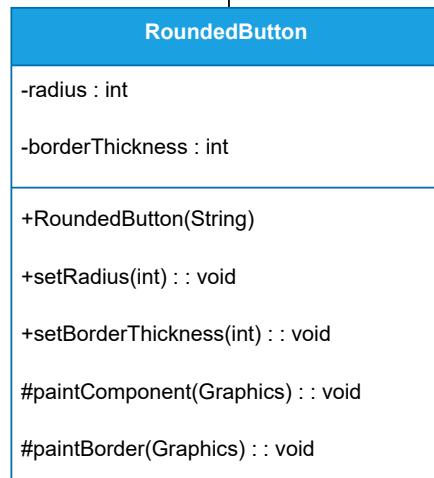
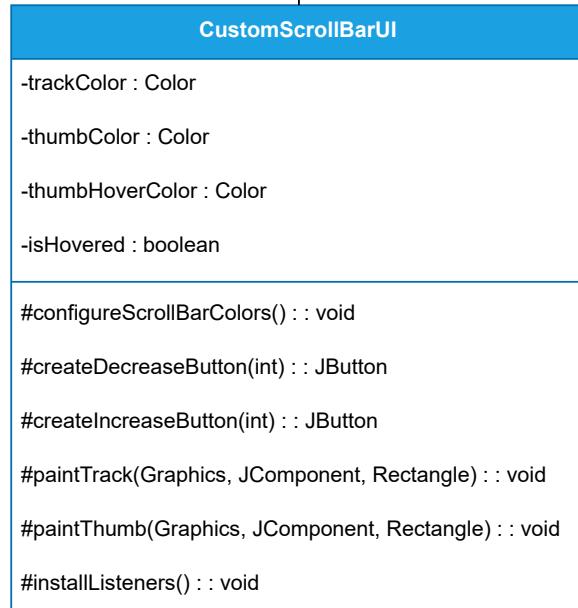
normalBg : Color

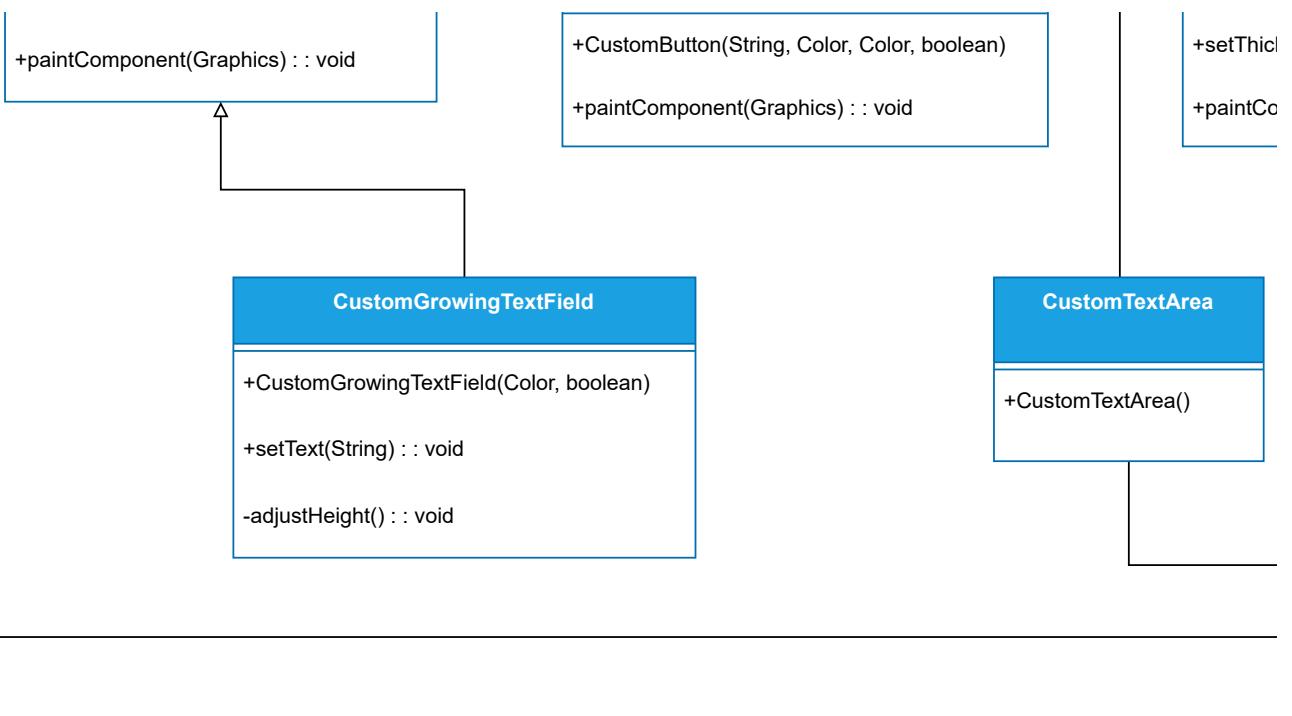
Rounde





Service





kBorder(boolean) :: void

component(Graphics) :: void

-isHovered : boolean

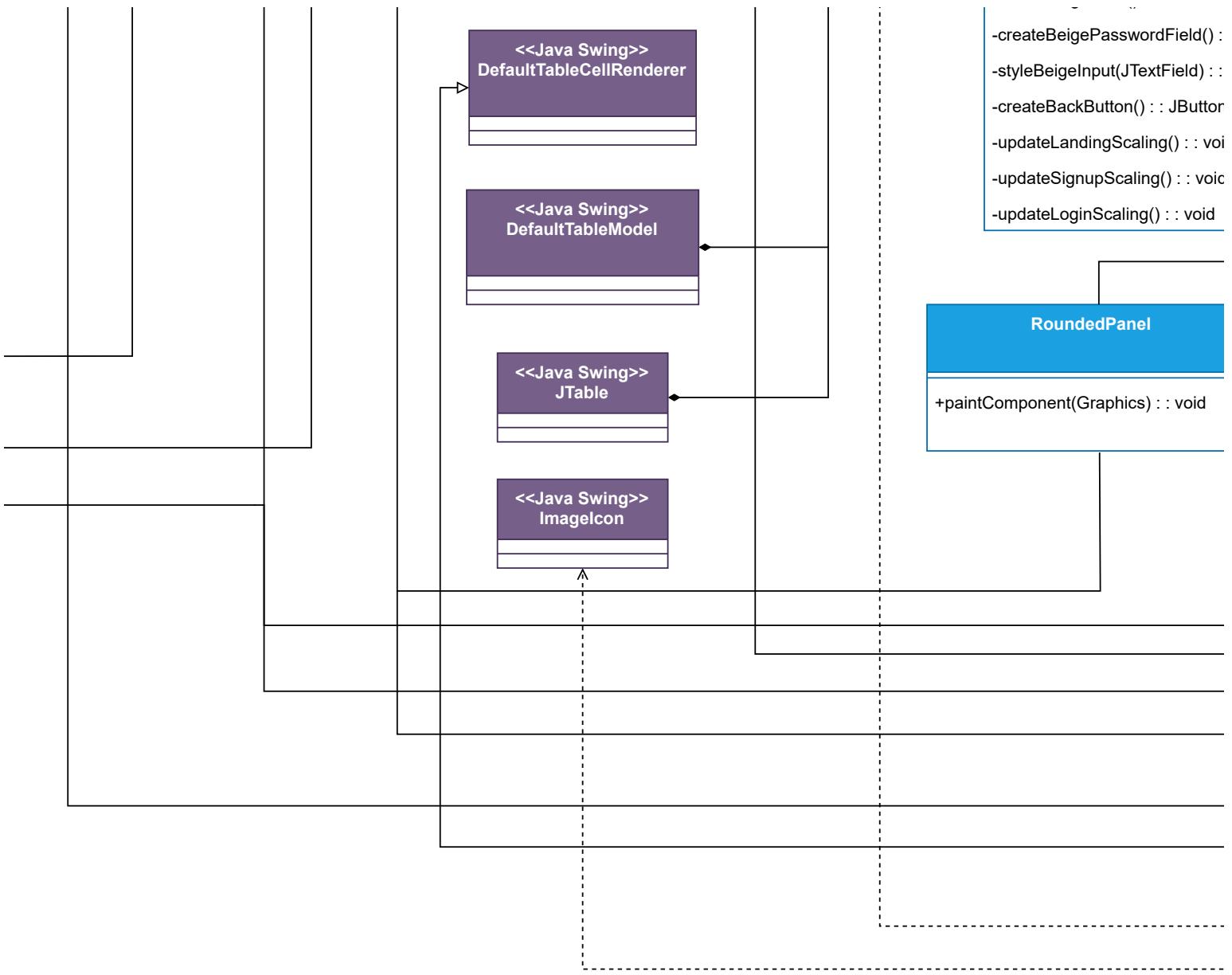
+paintTrack(Graphics, JComponent, Rectangle) :: void

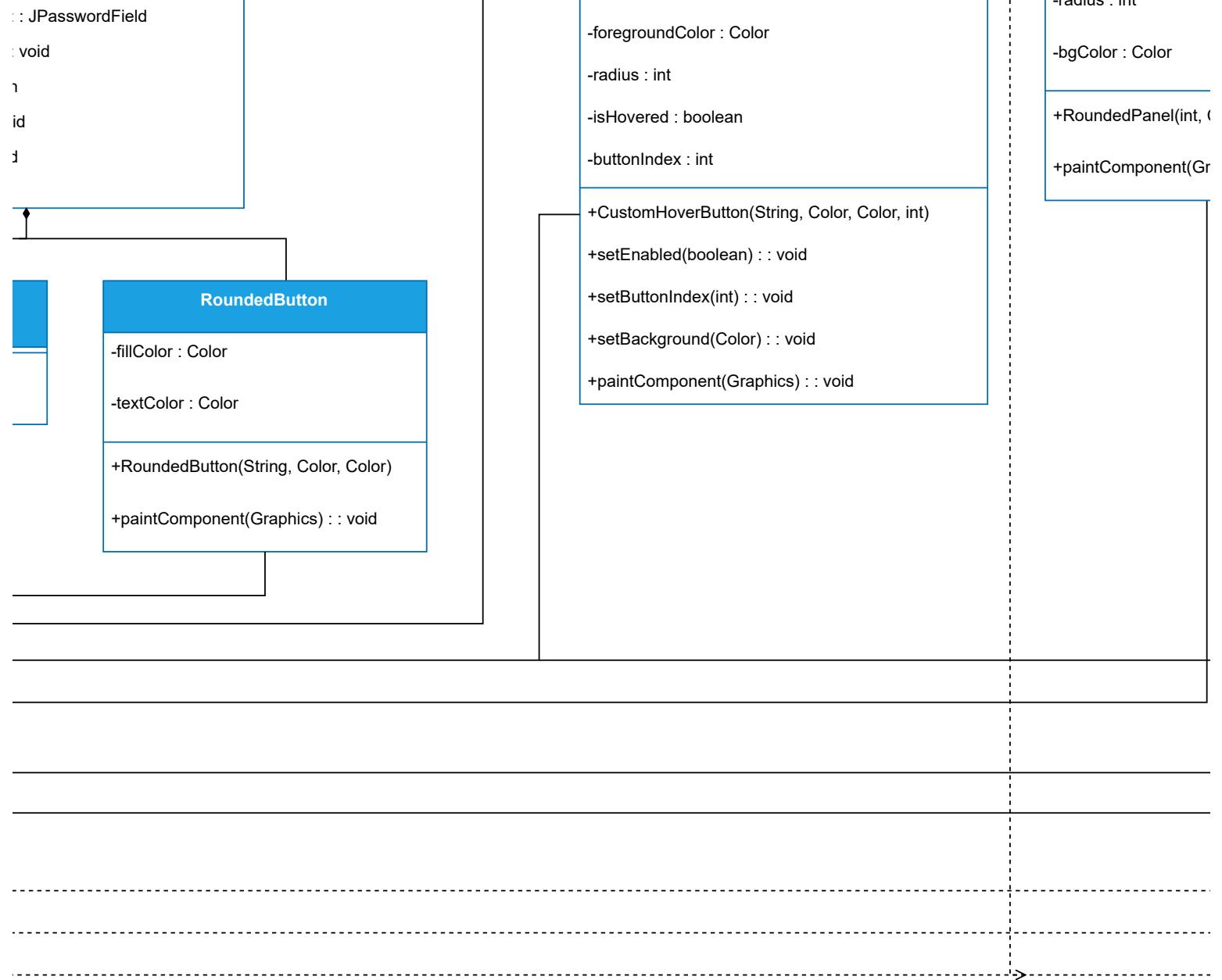
+paintThumb(Graphics, JComponent, Rectangle) :: void

TransparentListRenderer

+getListCellRendererComponent(...) :: Component

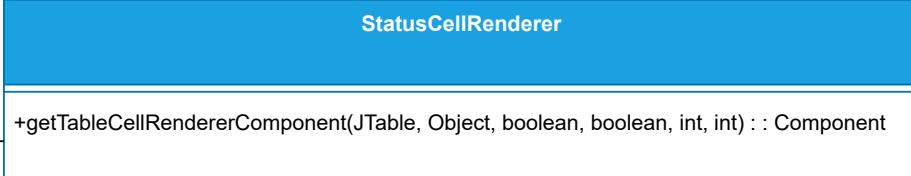
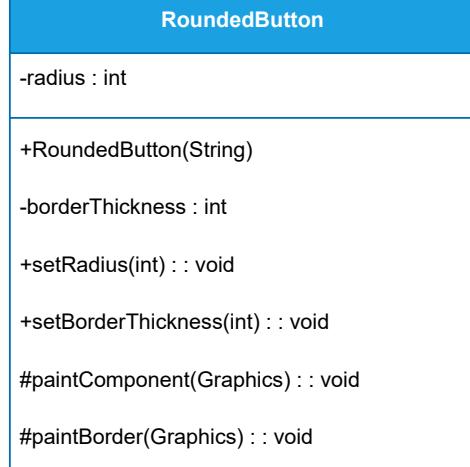






Color)

raphics) : : void



+ applyToTree(Container, Font) : void {static}
- applyFontRecursive(Component, Font) : void {static}

PageNavigation

+ switchViews(JFrame, JFrame) : void {static}
+ prepareFrame(JFrame) : void {static}

QuizMetaMigrator <<final>>

- QuizMetaMigrator()
+ migrate(String, String) : void {static}

ResourceLoader <<final>>

- ResourceLoader()
+ openClasspath(String) : InputStream {static}
+ loadFont(String, float, Font) : Font {static}
+ loadImageIcon(String) : ImageIcon {static}

ResourceSvgLoader <<final>>

- ResourceSvgLoader()
+ loadSvgAsIcon(String, int, int) : ImageIcon {static}
- openSvgStream(String) : InputStream {static}

Utility