[1,1]

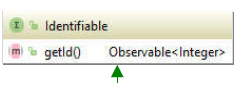
[2,1]

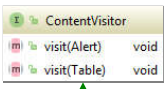
[3,1]

[4,1]

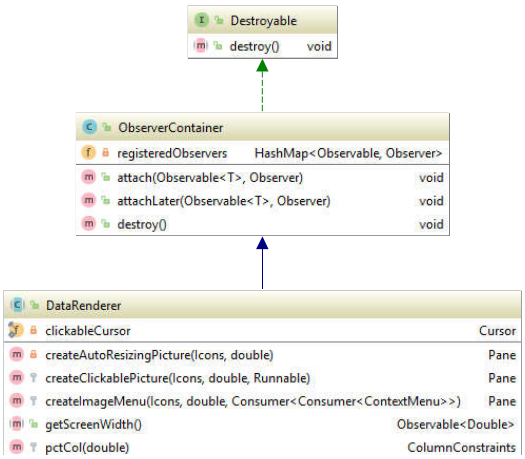
[1,2]

[2,2]

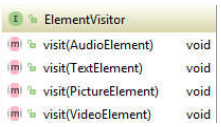

Identifiable
getId()
Observable<Integer>

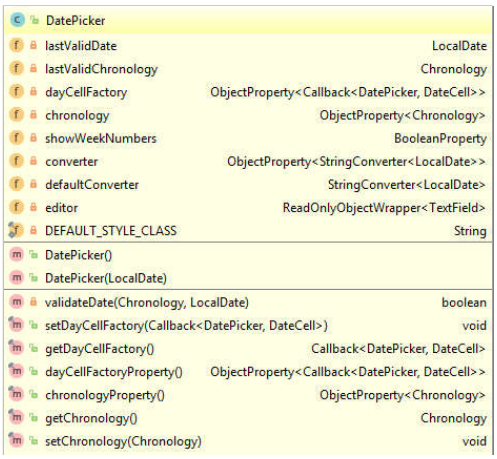

ContentVisitor
visit(Alert)
void
visit(Table)
void

[3,2]

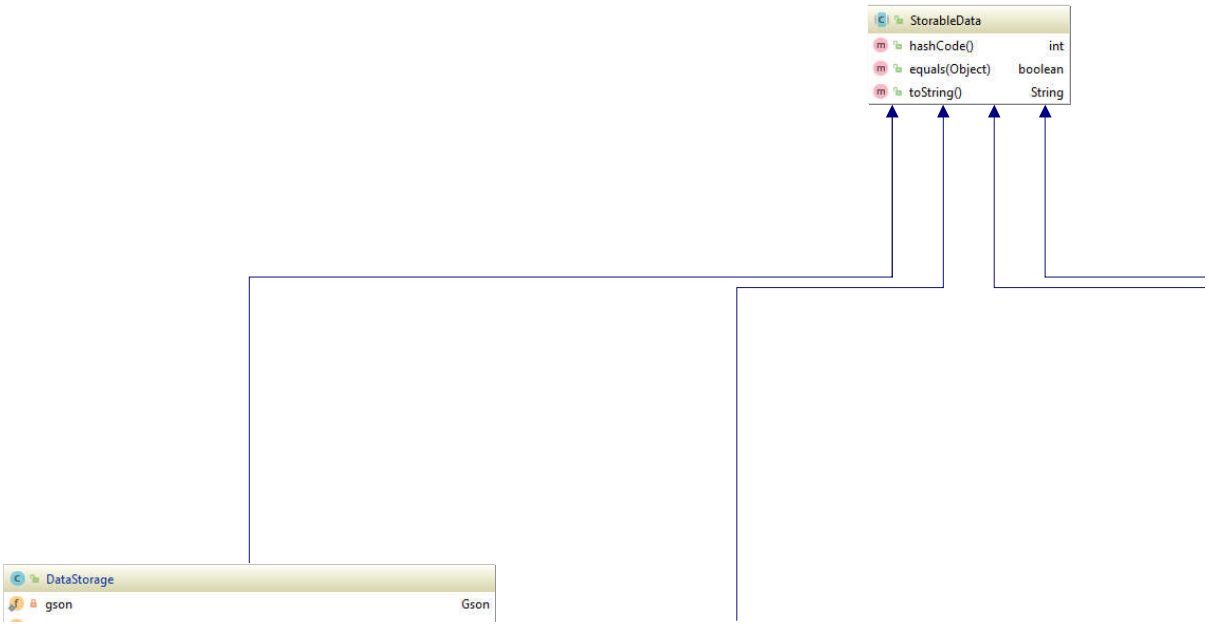

Destroyable
destroy() void
ObserverContainer
registeredObservers HashMap<Observable, Observer>
attach(Observable<T>, Observer) void
attachLater(Observable<T>, Observer) void
destroy() void
DataRenderer
clickableCursor Cursor
createAutoResizingPicture(Icons, double) Pane
createClickablePicture(Icons, double, Runnable) Pane
createImageMenu(Icons, double, Consumer<Consumer<ContextMenu>>) Pane
getScreenWidth() Observable<Double>
pctCol(double) ColumnConstraints

[4,2]

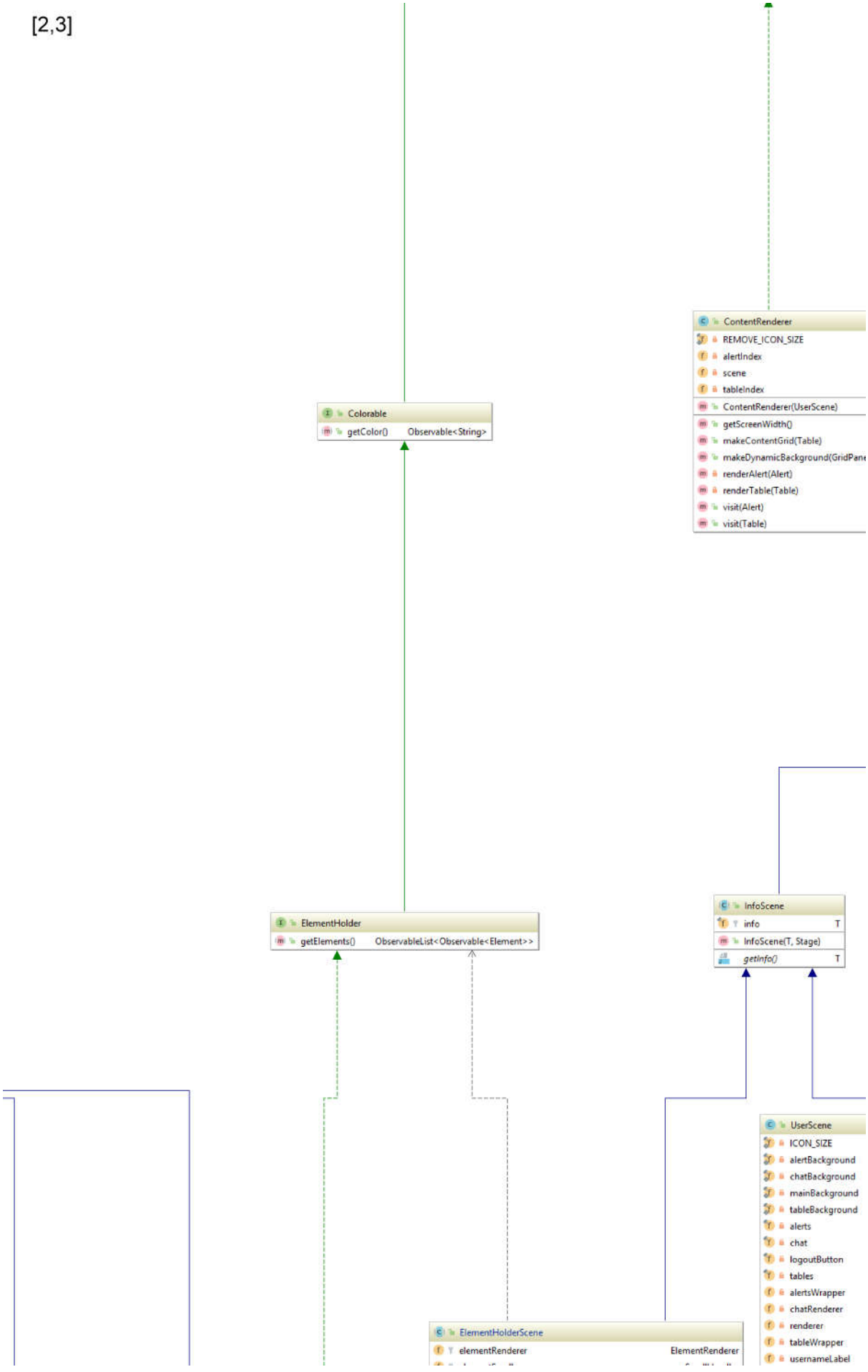

ElementVisitor
visit(AudioElement) void
visit(TextElement) void
visit(PictureElement) void
visit(VideoElement) void


DatePicker
lastValidDate LocalDate
lastValidChronology Chronology
dayCellFactory ObjectProperty<Callback<DatePicker, DateCell>>
chronology ObjectProperty<Chronology>
showWeekNumbers BooleanProperty
converter ObjectProperty<StringConverter<LocalDate>>
defaultConverter StringConverter<LocalDate>
editor ReadOnlyObjectWrapper<TextField>
DEFAULT_STYLE_CLASS String
DatePicker()
DatePicker(LocalDate)
validateDate(Chronology, LocalDate) boolean
setDayCellFactory(Callback<DatePicker, DateCell>) void
getDayCellFactory() Callback<DatePicker, DateCell>
dayCellFactoryProperty() ObjectProperty<Callback<DatePicker, DateCell>>
chronologyProperty() ObjectProperty<Chronology>
getChronology() Chronology
setChronology(Chronology) void

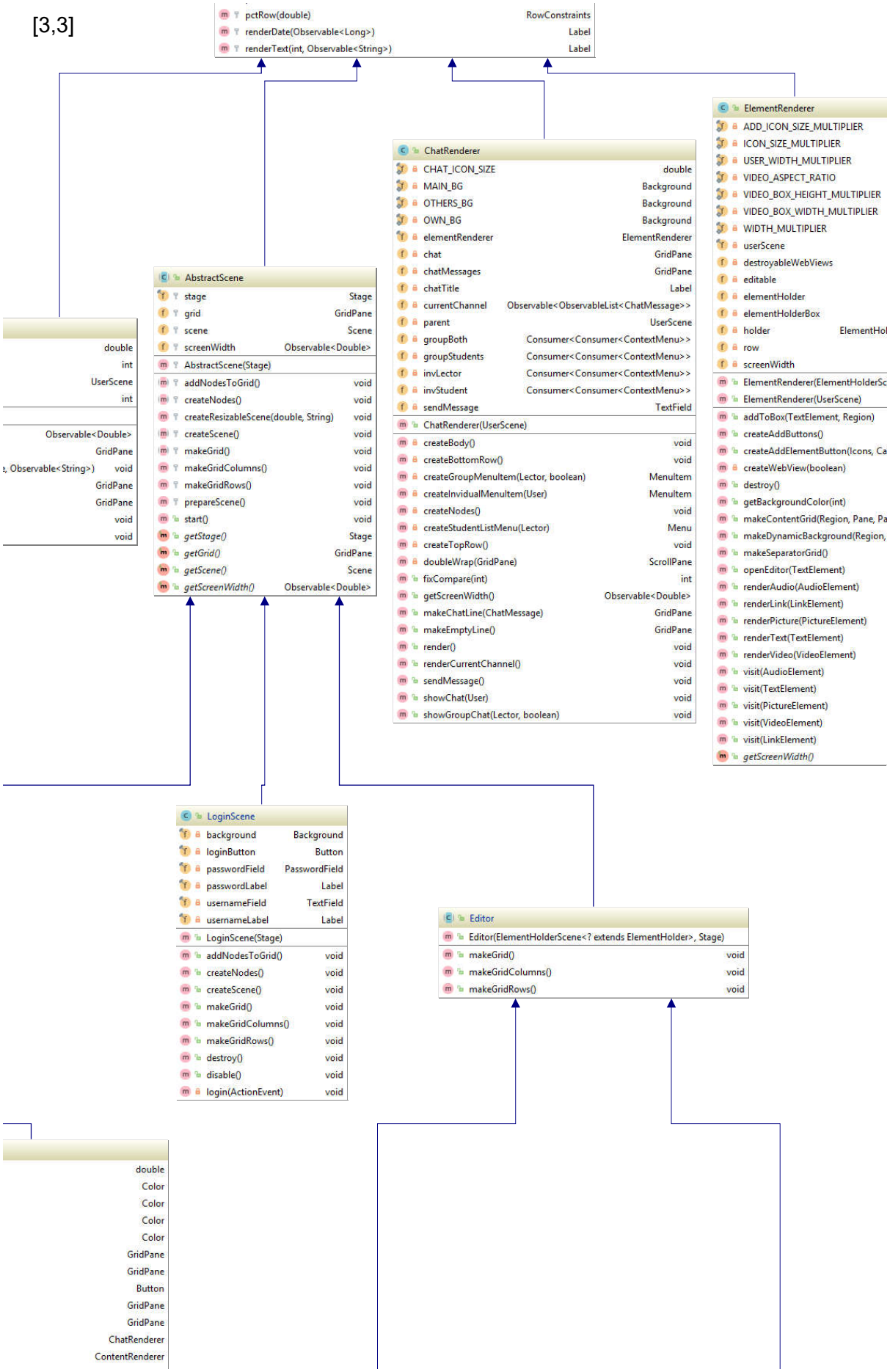
[1,3]

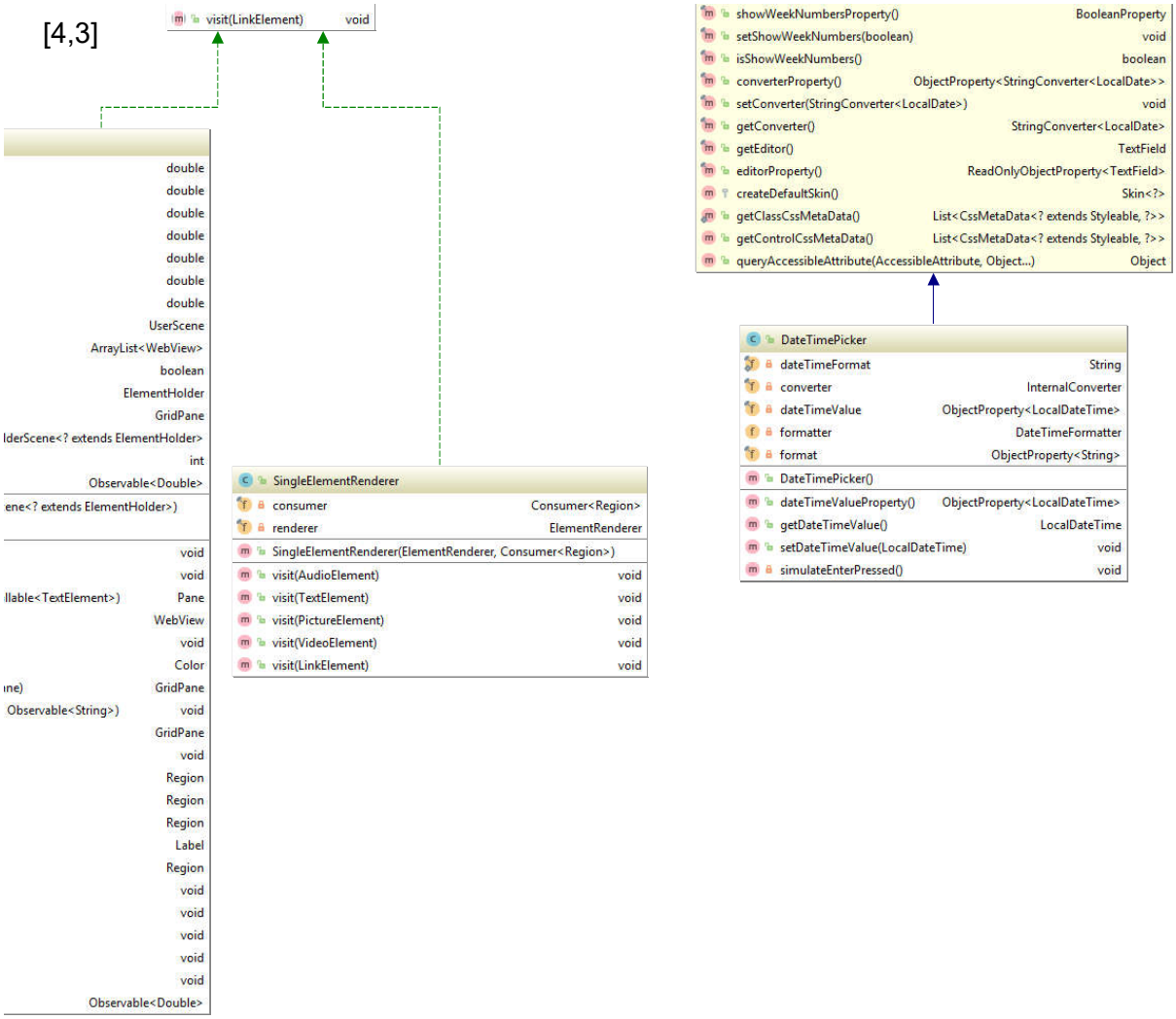

StorableData
hashCode() int
equals(Object) boolean
toString() String
DataStorage
gson Gson

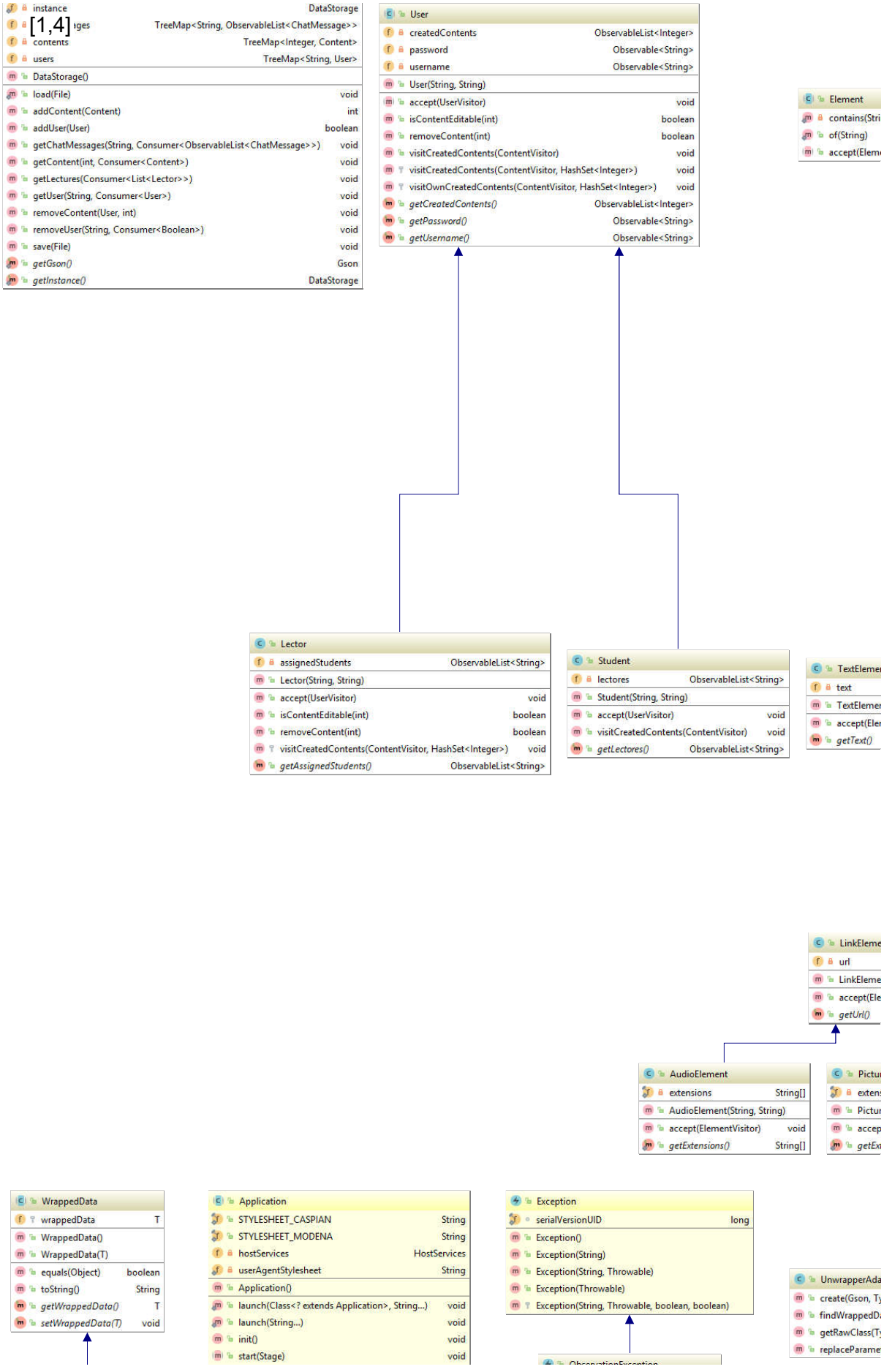
[2,3]

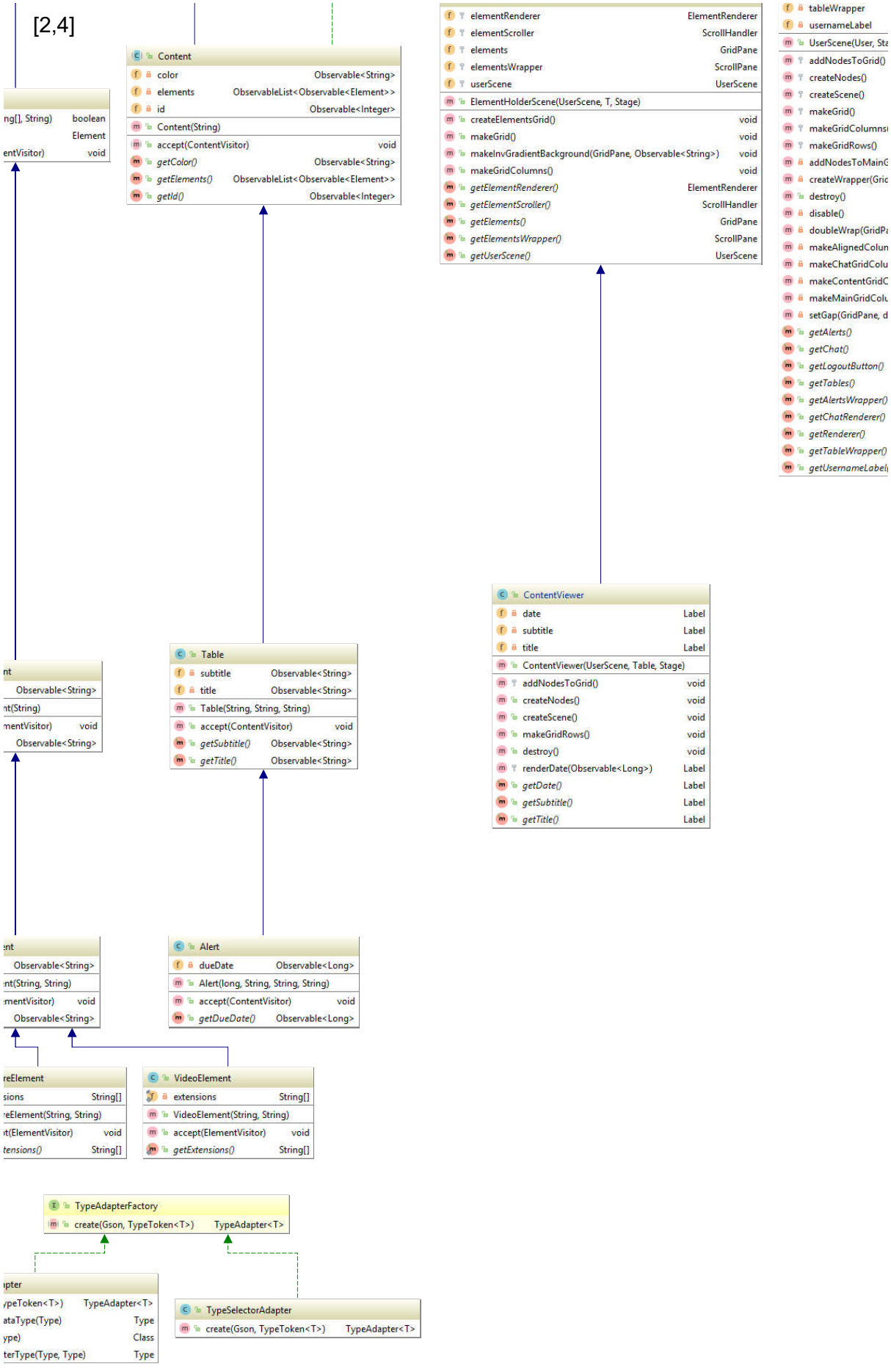

Colorable
getColor() Observable<String>
ContentRenderer
REMOVE_ICON_SIZE
alertIndex
scene
tableIndex
ContentRenderer(UserScene)
getScreenWidth()
makeContentGrid(Table)
makeDynamicBackground(GridPane
renderAlert(Alert)
renderTable(Table)
visit(Alert)
visit(Table)
ElementHolder
getElements() ObservableList<Observable<Element>>
InfoScene
info T
InfoScene(T, Stage)
getInfo() T
UserScene
ICON_SIZE
alertBackground
chatBackground
mainBackground
tableBackground
alerts
chat
logoutButton
tables
alertsWrapper
chatRenderer
renderer
tableWrapper
usernameLabel
ElementHolderScene
elementRenderer ElementRenderer

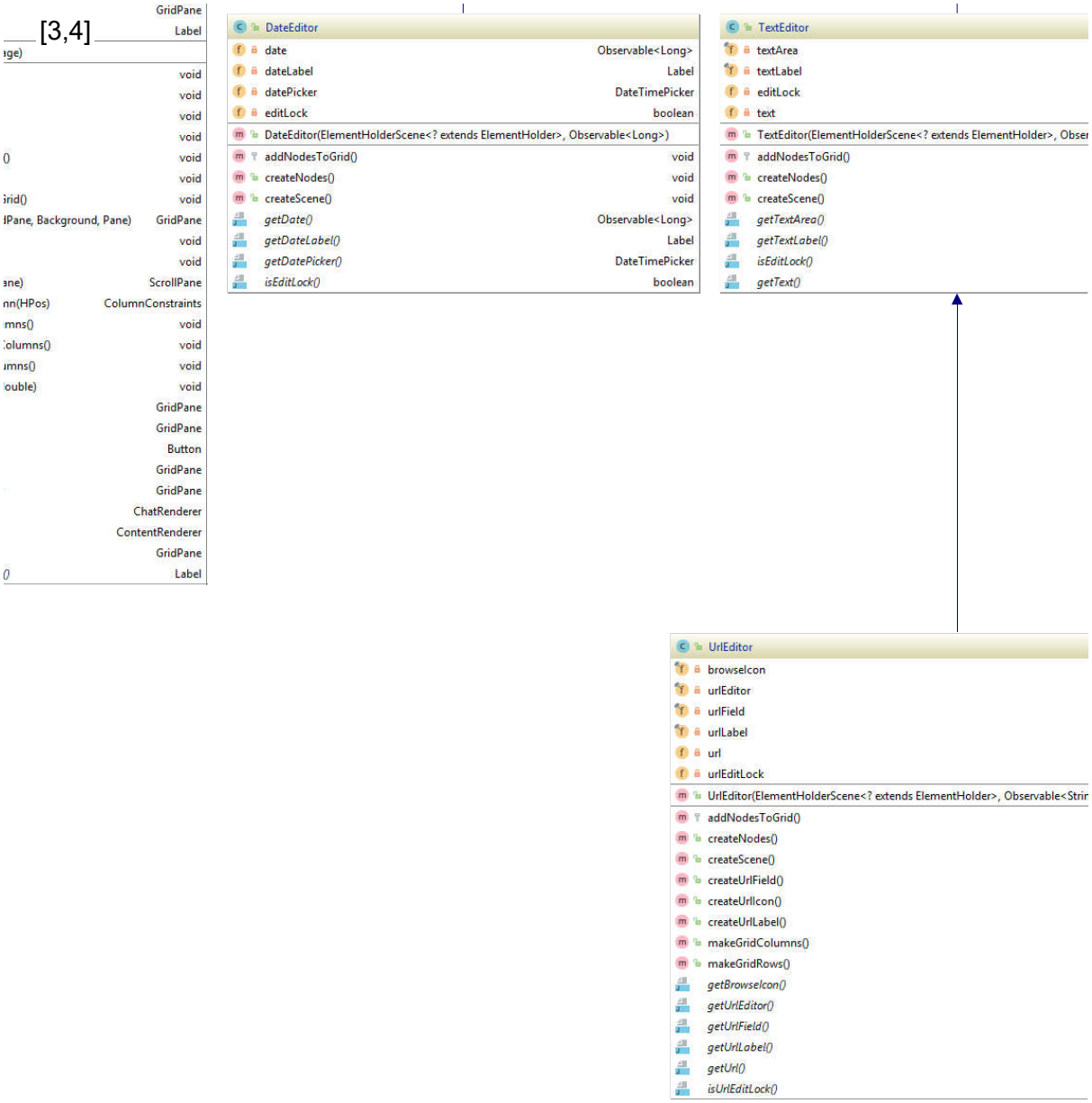
[3,3]

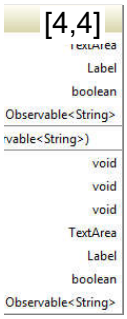

pctRow(double) RowConstraints
renderDate(Observable<Long>) Label
renderText(int, Observable<String>) Label
ElementRenderer
ADD_ICON_SIZE_MULTIPLIER
ICON_SIZE_MULTIPLIER
USER_WIDTH_MULTIPLIER
VIDEO_ASPECT_RATIO
VIDEO_BOX_HEIGHT_MULTIPLIER
VIDEO_BOX_WIDTH_MULTIPLIER
WIDTH_MULTIPLIER
userScene
destroyableWebViews
editable
elementHolder
elementHolderBox
holder ElementHol
row
screenWidth
ElementRenderer(ElementHolderSc
ElementRenderer(UserScene)
addToBox(TextElement, Region)
createAddButtons()
createAddElementButton(Icons, Ca
createWebView(boolean)
destroy()
getBackgroundColor(int)
makeContentGrid(Region, Pane, Pa
makeDynamicBackground(Region,
makeSeparatorGrid()
openEditor(TextElement)
renderAudio(AudioElement)
renderLink(LinkElement)
renderPicture(PictureElement)
renderText(TextElement)
renderVideo(VideoElement)
visit(AudioElement)
visit(TextElement)
visit(PictureElement)
visit(VideoElement)
visit(LinkElement)
getScreenWidth()
ChatRenderer
CHAT_ICON_SIZE double
MAIN_BG Background
OTHERS_BG Background
OWN_BG Background
elementRenderer ElementRenderer
chat GridPane
chatMessages GridPane
chatTitle Label
currentChannel Observable<ObservableList<ChatMessage>>
parent UserScene
groupBoth Consumer<Consumer<ContextMenu>>
groupStudents Consumer<Consumer<ContextMenu>>
invLector Consumer<Consumer<ContextMenu>>
invStudent Consumer<Consumer<ContextMenu>>
sendMessage TextField
ChatRenderer(UserScene)
createBody() void
createBottomRow() void
createGroupMenuItem(Lector, boolean) MenuItem
createInvidualMenuItem(User) MenuItem
createNodes() void
createStudentListMenu(Lector) Menu
createTopRow() void
doubleWrap(GridPane) ScrollPane
fixCompare(int) int
getScreenWidth() Observable<Double>
makeChatLine(ChatMessage) GridPane
makeEmptyLine() GridPane
render() void
renderCurrentChannel() void
sendMessage() void
showChat(User) void
showGroupChat(Lector, boolean) void
AbstractScene
stage Stage
grid GridPane
scene Scene
screenWidth Observable<Double>
AbstractScene(Stage)
addNodesToGrid() void
createNodes() void
createResizableScene(double, String) void
createScene() void
makeGrid() void
makeGridColumns() void
makeGridRows() void
prepareScene() void
start() void
getStage() Stage
getGrid() GridPane
getScene() Scene
getScreenWidth() Observable<Double>
double
int
UserScene
int
Observable<Double>
GridPane
, Observable<String>) void
GridPane
GridPane
void
void
LoginScene
background Background
loginButton Button
passwordField PasswordField
passwordLabel Label
usernameField TextField
usernameLabel Label
LoginScene(Stage)
addNodesToGrid() void
createNodes() void
createScene() void
makeGrid() void
makeGridColumns() void
makeGridRows() void
destroy() void
disable() void
login(ActionEvent) void
Editor
Editor(ElementHolderScene<? extends ElementHolder>, Stage)
makeGrid() void
makeGridColumns() void
makeGridRows() void
double
Color
Color
Color
Color
GridPane
GridPane
Button
GridPane
GridPane
ChatRenderer
ContentRenderer

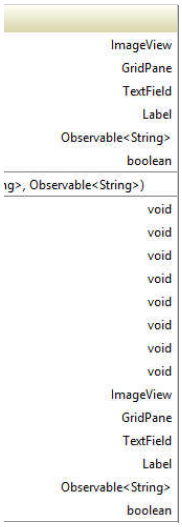

[4,3]
visit(LinkElement) void
double
double
double
double
double
double
double
UserScene
ArrayList<WebView>
boolean
ElementHolder
GridPane
lderScene<? extends ElementHolder>
int
Observable<Double>
ene<? extends ElementHolder>)
void
void
llable<TextElement>) Pane
WebView
void
Color
ine) GridPane
Observable<String>) void
GridPane
void
Region
Region
Region
Label
Region
void
void
void
void
void
Observable<Double>
SingleElementRenderer
consumer Consumer<Region>
renderer ElementRenderer
SingleElementRenderer(ElementRenderer, Consumer<Region>)
visit(AudioElement) void
visit(TextElement) void
visit(PictureElement) void
visit(VideoElement) void
visit(LinkElement) void
showWeekNumbersProperty() BooleanProperty
setShowWeekNumbers(boolean) void
isShowWeekNumbers() boolean
converterProperty() ObjectProperty<StringConverter<LocalDate>>
setConverter(StringConverter<LocalDate>) void
getConverter() StringConverter<LocalDate>
getEditor() TextField
editorProperty() ReadOnlyObjectProperty<TextField>
createDefaultSkin() Skin<?>
getClassCssMetaData() List<CssMetaData<? extends Styleable, ?>>
getControlCssMetaData() List<CssMetaData<? extends Styleable, ?>>
queryAccessibleAttribute(AccessibleAttribute, Object...) Object
DateTimePicker
dateTimeFormat String
converter InternalConverter
dateTimeValue ObjectProperty<LocalDateTime>
formatter DateTimeFormatter
format ObjectProperty<String>
DateTimePicker()
dateTimeValueProperty() ObjectProperty<LocalDateTime>
getDateTimeValue() LocalDateTime
setDateTimeValue(LocalDateTime) void
simulateEnterPressed() void

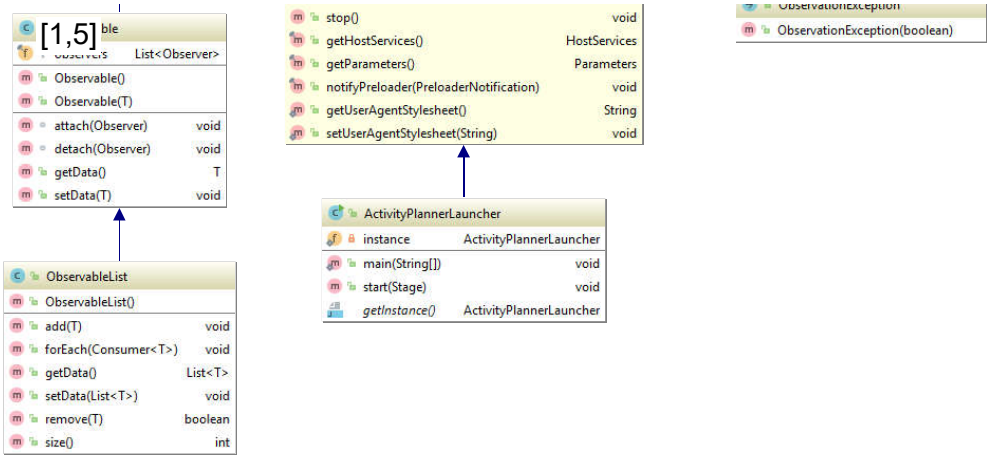

DataStorage
instance DataStorage
[1,4]ges TreeMap<String, ObservableList<ChatMessage>>
contents TreeMap<Integer, Content>
users TreeMap<String, User>
DataStorage()
load(File) void
addContent(Content) int
addUser(User) boolean
getChatMessages(String, Consumer<ObservableList<ChatMessage>>) void
getContent(int, Consumer<Content>) void
getLectures(Consumer<List<Lector>>) void
getUser(String, Consumer<User>) void
removeContent(User, int) void
removeUser(String, Consumer<Boolean>) void
save(File) void
getGson() Gson
getInstance() DataStorage
User
createdContents ObservableList<Integer>
password Observable<String>
username Observable<String>
User(String, String)
accept(UserVisitor) void
isContentEditable(int) boolean
removeContent(int) boolean
visitCreatedContents(ContentVisitor) void
visitCreatedContents(ContentVisitor, HashSet<Integer>) void
visitOwnCreatedContents(ContentVisitor, HashSet<Integer>) void
getCreatedContents() ObservableList<Integer>
getPassword() Observable<String>
getUsername() Observable<String>
Element
contains(Stri
of(String)
accept(Elem
Lector
assignedStudents ObservableList<String>
Lector(String, String)
accept(UserVisitor) void
isContentEditable(int) boolean
removeContent(int) boolean
visitCreatedContents(ContentVisitor, HashSet<Integer>) void
getAssignedStudents() ObservableList<String>
Student
lectores ObservableList<String>
Student(String, String)
accept(UserVisitor) void
visitCreatedContents(ContentVisitor) void
getLectores() ObservableList<String>
TextEleme
text
TextEleme
accept(Ele
getText()
LinkEleme
url
LinkEleme
accept(Ele
getUrl()
AudioElement
extensions String[]
AudioElement(String, String)
accept(ElementVisitor) void
getExtensions() String[]
Pictu
exten
Pictur
accep
getEx
WrappedData
wrappedData T
WrappedData()
WrappedData(T)
equals(Object) boolean
toString() String
getWrappedData() T
setWrappedData(T) void
Application
STYLESHEET_CASPIAN String
STYLESHEET_MODENA String
hostServices HostServices
userAgentStylesheet String
Application()
launch(Class<? extends Application>, String...) void
launch(String...) void
init() void
start(Stage) void
Exception
serialVersionUID long
Exception()
Exception(String)
Exception(String, Throwable)
Exception(Throwable)
Exception(String, Throwable, boolean, boolean)
UnwrapperAda
create(Gson, Ty
findWrappedD
getRawClass(Ty
replaceParame


[2,4]
Content
color Observable<String>
elements ObservableList<Observable<Element>>
id Observable<Integer>
Content(String)
accept(ContentVisitor) void
getColor() Observable<String>
getElements() ObservableList<Observable<Element>>
getId() Observable<Integer>
elementRenderer ElementRenderer
elementScroller ScrollHandler
elements GridPane
elementsWrapper ScrollPane
userScene UserScene
ElementHolderScene(UserScene, T, Stage)
createElementsGrid() void
makeGrid() void
makeInvGradientBackground(GridPane, Observable<String>) void
makeGridColumns() void
getElementRenderer() ElementRenderer
getElementScroller() ScrollHandler
getElements() GridPane
getElementsWrapper() ScrollPane
getUserScene() UserScene
tableWrapper
usernameLabel
UserScene(User, Sta
addNodesToGrid()
createNodes()
createScene()
makeGrid()
makeGridColumns
makeGridRows()
addNodesToMainC
createWrapper(Gric
destroy()
disable()
doubleWrap(GridPa
makeAligned Colun
makeChatGridColu
makeContentGridC
makeMainGridColu
setGap(GridPane, d
getAlerts()
getChat()
getLogoutButton()
getTables()
getAlertsWrapper()
getChatRenderer()
getRenderer()
getTableWrapper()
getUsernameLabel
ContentViewer
date Label
subtitle Label
title Label
ContentViewer(UserScene, Table, Stage)
addNodesToGrid() void
createNodes() void
createScene() void
makeGridRows() void
destroy() void
renderDate(Observable<Long>) Label
getDate() Label
getSubtitle() Label
getTitle() Label
Table
subtitle Observable<String>
title Observable<String>
Table(String, String, String)
accept(ContentVisitor) void
getSubtitle() Observable<String>
getTitle() Observable<String>
Alert
dueDate Observable<Long>
Alert(long, String, String, String)
accept(ContentVisitor) void
getDueDate() Observable<Long>
VideoElement
extensions String[]
VideoElement(String, String)
accept(ElementVisitor) void
getExtensions() String[]
TypeAdapterFactory
create(Gson, TypeToken<T>) TypeAdapter<T>
TypeSelectorAdapter
create(Gson, TypeToken<T>) TypeAdapter<T>


GridPane
[3,4]
Label
void
void
void
void
void
void
GridPane
void
void
ScrollPane
ColumnConstraints
void
void
void
void
GridPane
GridPane
Button
GridPane
GridPane
ChatRenderer
ContentRenderer
GridPane
Label
DateEditor
date
Observable<Long>
dateLabel
Label
datePicker
DateTimePicker
editLock
boolean
DateEditor(ElementHolderScene<? extends ElementHolder>, Observable<Long>)
addNodesToGrid()
void
createNodes()
void
createScene()
void
getDate()
Observable<Long>
getDateLabel()
Label
getDatePicker()
DateTimePicker
isEditLock()
boolean
TextEditor
textArea
textLabel
editLock
text
TextEditor(ElementHolderScene<? extends ElementHolder>, Obse
addNodesToGrid()
createNodes()
createScene()
getTextArea()
getTextLabel()
isEditLock()
getText()
UrlEditor
browseIcon
urlEditor
urlField
urlLabel
url
urlEditLock
UrlEditor(ElementHolderScene<? extends ElementHolder>, Observable<Strin
addNodesToGrid()
createNodes()
createScene()
createUrlField()
createUrlIcon()
createUrlLabel()
makeGridColumns()
makeGridRows()
getBrowseIcon()
getUrlEditor()
getUrlField()
getUrlLabel()
getUrl()
isUrlEditLock()


[4,4]
Label
boolean
Observable<String>
vable<String>)
void
void
void
TextArea
Label
boolean
Observable<String>


ImageView
GridPane
TextField
Label
Observable<String>
boolean
g>, Observable<String>)
void
void
void
void
void
void
void
void
ImageView
GridPane
TextField
Label
Observable<String>
boolean


[1,5]
ble
List<Observer>
Observable()
Observable(T)
attach(Observer) void
detach(Observer) void
getData() T
setData(T) void
ObservableList
ObservableList()
add(T) void
forEach(Consumer<T>) void
getData() List<T>
setData(List<T>) void
remove(T) boolean
size() int
stop() void
getHostServices() HostServices
getParameters() Parameters
notifyPreloader(PreloaderNotification) void
getUserAgentStylesheet() String
setUserAgentStylesheet(String) void
ActivityPlannerLauncher
instance ActivityPlannerLauncher
main(String[]) void
start(Stage) void
getInstance() ActivityPlannerLauncher
ObservationException(boolean)

[2,5]

[3,5]

[4,5]

[1,6]

[2,6]

[3,6]

[4,6]