

Class and Database Diagrams for SC2 Build Order Generator

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source code: <https://github.com/naughtyspirit/sc2bog>

com.naughtyspirit.desktop.sc2bog.ui.view

AppFrame	
injector	Injector
startTime	int
buildOrder	BuildOrder
buildOrderMapper	BuildOrderMapper
setBuildOrderMapper(BuildOrderMapper)	void
onNew()	void
onExit()	void
display()	void
displayBuildOrderList()	void
displayView(AppView)	void
centerOnScreen()	void
onDone(String, Race)	void
displayBuildOrderView(Race)	void
onSave(List<BuildItem>)	void

CustomizeObjectDialog	
selectedEntity	BaseEntity
startTime	int
doneButton	JButton
quantitySpinner	JSpinner
timeSpinner	JSpinner
createTimeSpinner()	JSpinner
centerAndResize()	void
setSelectedEntity(BaseEntity)	void
display()	void
createQuantitySpinner()	JSpinner
setOnCompleteListener(OnCompleteListener)	void
setStartTime(int)	void

NewBuildDialog	
okButton	JButton
raceList	JComboBox<Race>
raceMapper	RaceMapper
name	TextField
setRaceMapper(RaceMapper)	void
centerAndResize()	void
display()	void
setOnOkListener(OnOkListener)	void

BuildOrderTable	
buildOrderModel	BuildOrderModel
buildItems	List<BuildItem>
addRow(GameObject)	void
getBuildItems()	List<BuildItem>
removeSelectedRow()	void

AppMenu	
onNewListener	OnNewListener
onExitListener	OnExitListener
setOnExitListener(OnExitListener)	void
setOnNewListener(OnNewListener)	void

Application	
createAndShowGUI()	void
main(String[])	void
run()	void

BuildOrderModel	
addRow(GameObject)	void

AppPanel

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UI classes explained

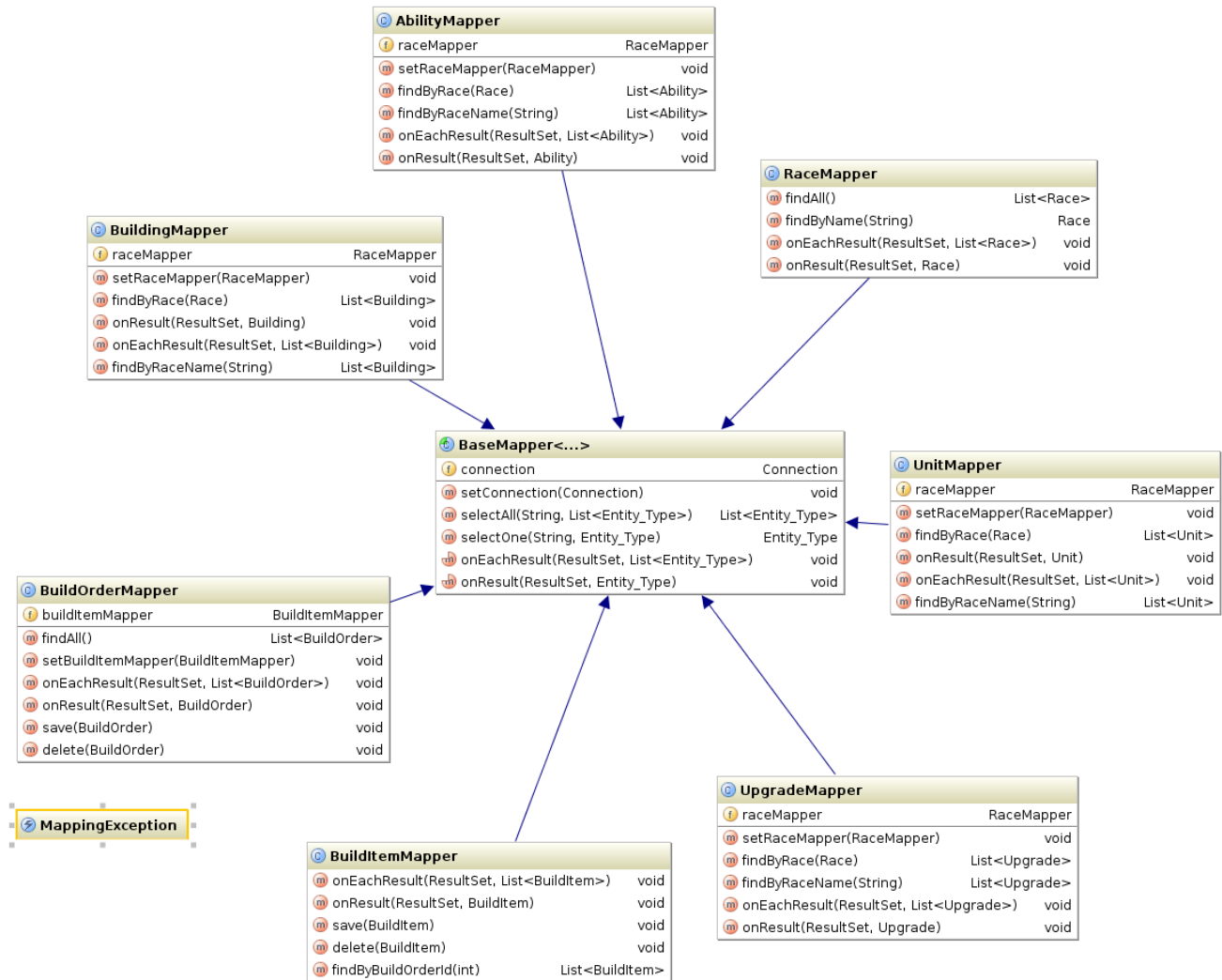
- **AppFrame** – Main Application Frame responsible for managing Build Orders
- **NewBuildDialog** – Popup Dialog responsible for initializing a new Build Order
- **CustomizeObjectDialog** – Popup Dialog responsible for editing/creating new Build Order object
- **BuildOrderTable** – Table for presenting and editing Build Order objects (along with custom TableModel – **BuildOrderModel**)

BuildOrderService		
f	unitMapper	UnitMapper
f	upgradeMapper	UpgradeMapper
f	buildingMapper	BuildingMapper
m	setUnitMapper(UnitMapper)	void
m	setUpgradeMapper(UpgradeMapper)	void
m	setBuildingMapper(BuildingMapper)	void
m	entitiesForAutocompletion(Race)	List<BaseEntity>

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Service class explained

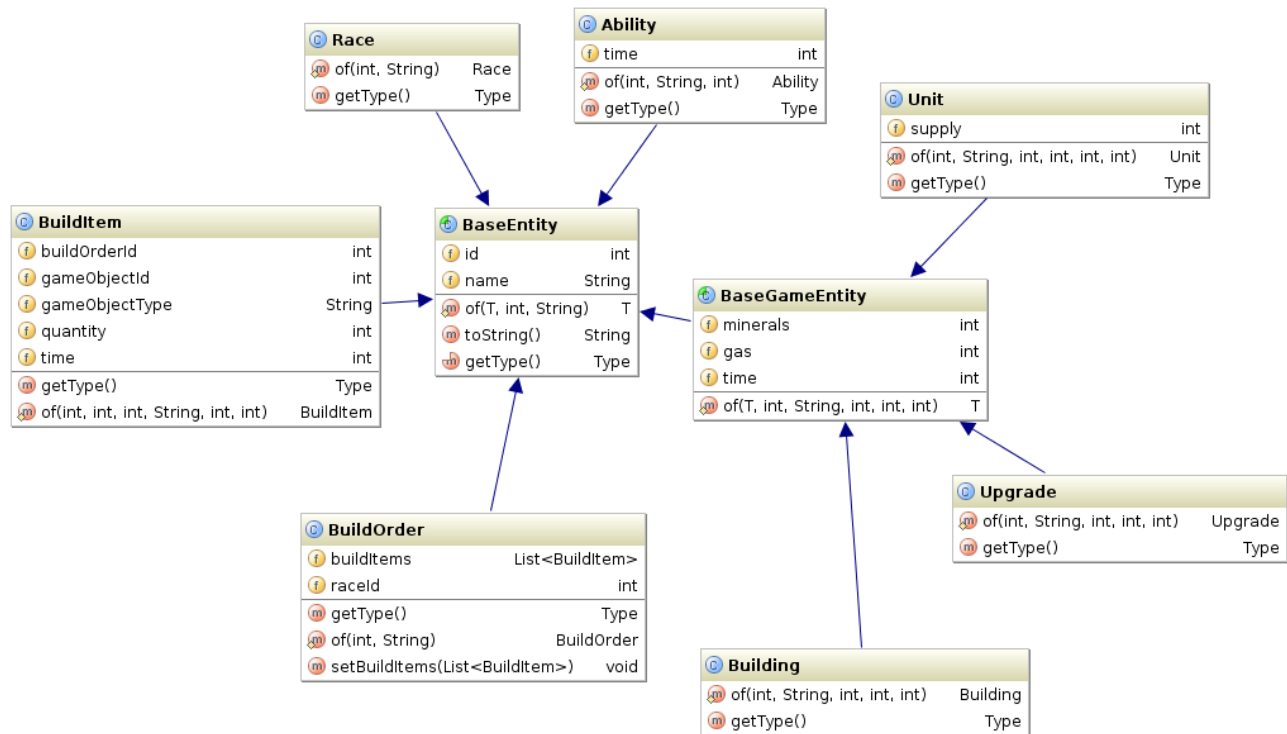
BuildOrderService – Acts as a mediator between the UI and Persistence layer. Must hide all dependencies between the Mappers and the Views. Guarantees return of non-null values



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Mapper classes explained

- **BaseMapper** – Acts as common method repository for Persistence CRUD operations. All other mappers should extend him
- **MappingException** – Represents an event of exceptional condition such as unavailable Persistence storage



GameObject	
id	int
name	String
type	Type
quantity	int
time	int
getId()	int
getName()	String
getType()	Type
getQuantity()	int
getTime()	int

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Entity classes explained

- **BaseEntity** – Acts as common data repository for persisting data. All other entities should extend him
- **GameObject** – Represents an item in Build Order. Acts as mediator between the entities and the application view layer

BuildItem
id: integer
buildOrderId: integer
startTime: integer
itemType: integer
itemId: integer

BuildOrder
id: integer
playerRaceId: integer
opponentRaceId: integer
name: varchar(80)
sqlite_autoindex_BuildOrder_1

Race
id: integer
name: varchar(80)
sqlite_autoindex_Race_1

Unit
id: integer
raceId: integer
name: varchar
mineral: integer
gas: integer
supply: integer
buildTime: integer
sqlite_autoindex_Unit_1
unitNameIndex

Building
id: integer
raceId: integer
name: varchar(80)
minerals: integer
gas: integer
buildingTime: integer

Upgrade
id: integer
raceId: integer
name: varchar
mineral: integer
gas: integer
buildTime: integer
sqlite_autoindex_Upgrade_1
upgradeNameIndex