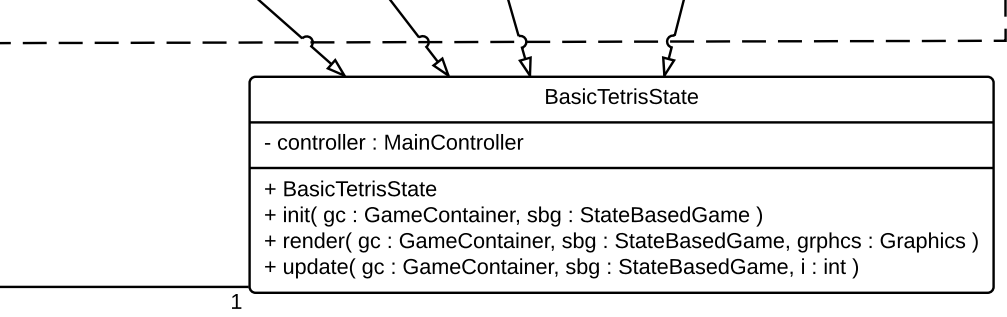
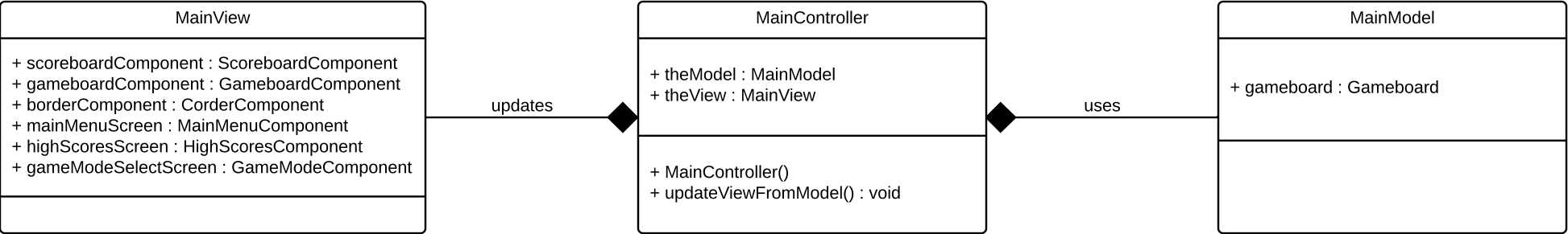


```
classDiagram
    class AssetManager {
        loadImage(path : String) Image
        loadMusic(path : String) Music
        loadSound(path : String) Sound
        loadFont(path : String) Font
        collectImages() Map<String, Image>
        collectMusic() Map<String, Music>
        collectSounds() Map<String, Sound>
        collectAnimations() Map<String, Animation>
        collectFonts() Map<String, TrueTypeFont>
    }
    AssetManager --> 
```

- loadImage( path : String ) : Image  
- loadMusic( path : String ) : Music  
- loadSound( path : String ) : Sound  
- loadFont( path : String ) : Font  
- collectImages() : Map<String, Image>  
- collectMusic() : Map<String, Music>  
- collectSounds() : Map<String, Sound>  
- collectAnimations() : Map<String, Animation>  
- collectFonts() : Map<String, TrueTypeFont>







MainModel	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Initialize bag</li> <li>Pick next Tetrimino</li> <li>Lock active Tetrimino</li> <li>Hold active Tetrimino</li> <li>Move active Tetrimino</li> <li>Instant-drop active Tetrimino</li> <li>Rotate active Tetrimino</li> </ul>	<ul style="list-style-type: none"> <li>GameBoard</li> <li>Tetrimino</li> <li>TShape</li> <li>Direction</li> </ul>

TetrisMain	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Launch Game</li> </ul>	<ul style="list-style-type: none"> <li>MainModel</li> <li>MainView</li> <li>MainController</li> </ul>

MainView	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Render game screen</li> <li>Render next Tetrimino preview</li> <li>Render held Tetrimino preview</li> <li>Render high scores screen</li> <li>Render menu screen</li> </ul>	<ul style="list-style-type: none"> <li>MainController</li> <li>GameBoardComponent</li> <li>TetriminoPreviewComponent</li> <li>TetriminoComponent</li> <li>ScoreBoardComponent</li> <li>BasicTetrisState</li> <li>PixelDimension</li> </ul>

MainController	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Interperet user input</li> <li>Distribute control</li> <li>Manage game clock</li> <li>Update BasicTetrisStates</li> <li>Pass render responsibilities back to model</li> </ul>	<ul style="list-style-type: none"> <li>MainModel</li> <li>MainView</li> <li>BasicTetrisState</li> <li>State</li> <li>KeyMap</li> <li>Direction</li> </ul>

BasicTetrisState	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Pass rendering responsibility to MainController</li> <li>Contain necessary graphics/sounds</li> </ul>	<ul style="list-style-type: none"> <li>MainController</li> </ul>

Tetrimino	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Contain 4 Blocks in a specific shape</li> </ul>	<ul style="list-style-type: none"> <li>Block</li> <li>TShape</li> </ul>

TetriminoComponent	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Render a Tetrimino</li> </ul>	<ul style="list-style-type: none"> <li>Tetrimino</li> </ul>

TetriminoPreviewComponent	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Render a Tetrimino preview</li> </ul>	<ul style="list-style-type: none"> <li>Tetrimino</li> </ul>

ScoreBoardComponent	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Render a ScoreBoard</li> </ul>	<ul style="list-style-type: none"> <li>ScoreBoard</li> </ul>

TetriminoComponent	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Render a Tetrimino</li> </ul>	<ul style="list-style-type: none"> <li>Tetrimino</li> </ul>