1	Pac	kage c	om.retroMachines.game.Map	8
	1.1	Class	LambdaToMap	8
		1.1.1	Declaration	8
		1.1.2	Constructor summary	8
		1.1.3	Method summary	8
		1.1.4	Constructors	8
		1.1.5	Methods	8
	1.2	Class	Map	9
		1.2.1	Declaration	9
		1.2.2	Constructor summary	9
		1.2.3	Constructors	9
2	Pac	kage c	om.retroMachines.data	10
	2.1	Class	AssetManager	10
		2.1.1	Declaration	10
		2.1.2	Field summary	10
		2.1.3	Constructor summary	10
		2.1.4	Method summary	10
		2.1.5	Fields	10
		2.1.6	Constructors	11
		2.1.7	Methods	11
		2.1.8	Members inherited from class AssetManager	11
3	Pac	kage c	om.retroMachines.game	13
	3.1	Class	Controller	13
		3.1.1	Declaration	13
		3.1.2	Constructor summary	13
		3.1.3	Constructors	13
4	Pac	kage c	om.retroMachines.data.models	14
	4.1	Class	Profile	14
		4.1.1	Declaration	14
		4.1.2	Constructor summary	14
		4.1.3	Method summary	14
		4.1.4	Constructors	15
		115	Methods	15

	4.2	Class Setting	3
		4.2.1 Declaration	3
		4.2.2 Constructor summary	3
		4.2.3 Method summary	3
		4.2.4 Constructors	3
		4.2.5 Methods	3
	4.3	Class Statistic	7
		4.3.1 Declaration	
		4.3.2 Constructor summary	
		4.3.3 Method summary	
		4.3.4 Constructors	
		4.3.5 Methods	
		1.0.0 Monodo	
5	Pac	kage com.retroMachines.ui.screens)
	5.1	Class AbstractScreen)
		5.1.1 Declaration)
		5.1.2 All known subclasses	
		5.1.3 Constructor summary	
		5.1.4 Method summary	
		5.1.5 Constructors	
		5.1.6 Methods	
	5.2	Class AndroidCamera	
	0.2	5.2.1 Declaration	
		5.2.2 Constructor summary	
		5.2.3 Constructors	
		5.2.4 Members inherited from class Orthographic Camera	
		5.2.5 Members inherited from class Camera	
		5.2.5 Weinbers inherited from class Camera	L
6	Pac	kage com.retroMachines 22	2
	6.1	Class RetroMachines	
		6.1.1 Declaration	
		6.1.2 Field summary	
		6.1.3 Constructor summary	
		6.1.4 Method summary	
		6.1.5 Fields	
		6.1.6 Constructors	
		6.1.7 Methods	
		6.1.8 Members inherited from class Game	
		0.1.0 Members innerrised from class dame	,
7	Pac	kage com.retroMachines.ui.screens.game 24	1
	7.1	Class EvaluationScreen	1
		7.1.1 Declaration	
		7.1.2 Constructor summary	
		7.1.3 Constructors	
		7.1.4 Members inherited from class AbstractScreen	
	7.2	Class GameScreen	
		7.2.1 Declaration	

		7.2.3	Method summary	~~
				25
		7.2.4	Constructors	25
		7.2.5	Methods	25
		7.2.6	Members inherited from class AbstractScreen	25
8	Pac	kage co	om.retroMachines.ui.screens.menus	27
	8.1	Class A	AboutMenuScreen	28
		8.1.1	Declaration	28
		8.1.2	Constructor summary	28
		8.1.3	Method summary	28
		8.1.4	Constructors	28
		8.1.5	Methods	28
		8.1.6	Members inherited from class AbstractScreen	28
	8.2	Class A	AchievmentsMenuScreen	28
		8.2.1	Declaration	28
		8.2.2	Constructor summary	28
		8.2.3		29
		8.2.4		29
	8.3	Class (29
		8.3.1	Declaration	29
		8.3.2	Constructor summary	29
		8.3.3	· · · · · · · · · · · · · · · · · · ·	29
		8.3.4		29
	8.4	Class (CreateProfileMenuScreen	29
		8.4.1	Declaration	29
		8.4.2		30
		8.4.3	·	30
		8.4.4		30
	8.5	Class I		30
		8.5.1		30
		8.5.2		30
		8.5.3		30
		8.5.4		30
	8.6	Class I		31
		8.6.1		31
		8.6.2		31
		8.6.3	· ·	31
		8.6.4		31
		8.6.5		31
		8.6.6		31
	8.7			31
	•	8.7.1		31
		8.7.2		31
		8.7.3		31
		8.7.4		32

8.7.6 Members inherited from class AbstractScreen 8.8.1 Declaration 8.8.2 All known subclasses 8.8.3 Constructor summary 8.8.4 Constructors 8.8.5 Members inherited from class AbstractScreen 8.9 Class ProfileManagementMemuScreen 8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.11.2 Class ProfileSettingsMenuScreen 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary 9.2.3 Method summary 9.2.3 Method summary	32
8.8.1 Declaration 8.8.2 All known subclasses 8.8.3 Constructor summary 8.8.4 Constructors 8.8.5 Members inherited from class AbstractScreen 8.9 Class ProfileManagementMenuScreen 8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary 9.2.3 Declaration 9.2.2 Constructor summary 9.2.3 Declaration 9.2.2 Constructor summary	32
8.8.2 All known subclasses 8.8.3 Constructor summary 8.8.4 Constructors 8.8.5 Members inherited from class AbstractScreen 8.9 Class ProfileManagementMenuScreen 8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11.1 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructor summary 8.12.3 Constructor summary 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	32
8.8.3 Constructor summary 8.8.4 Constructors 8.8.5 Members inherited from class AbstractScreen 8.9 Class ProfileManagementMenuScreen 8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.12.1 Declaration 8.12.2 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary 9.1.3 Methods 9.1.1 Declaration 9.2.2 Constructor summary	32
8.8.4 Constructors 8.8.5 Members inherited from class AbstractScreen 8.9 Class ProfileManagementMenuScreen 8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.12.1 Declaration 8.12.2 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructors summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9.13 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Members inherited from class AbstractScreen 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	32
8.8.4 Constructors 8.8.5 Members inherited from class AbstractScreen 8.9 Class ProfileManagementMenuScreen 8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.12.1 Declaration 8.12.2 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructors summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9.13 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Members inherited from class AbstractScreen 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	32
8.8.5 Members inherited from class AbstractScreen 8.9.1 Class ProfileManagementMenuScreen 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructors summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructors summary 8.12.1 Declaration 8.12.1 Declaration 8.12.2 Constructors summary 8.12.3 Constructors 8.13.1 Declaration 8.13.2 Constructors summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.5 Methods 9.1.6 Members inherited from class Vertex	
8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructor summary 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	33
8.9.1 Declaration 8.9.2 Constructor summary 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructor summary 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.9.2 Constructors 8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.12 Class StageMenuScreen 8.13.1 Declaration 8.12.2 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.9.3 Constructors 8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructor summary 8.13.4 Members inherited from class AbstractScreen 8.13 Declaration 9.13 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.9.4 Members inherited from class AbstractScreen 8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.12.1 Declaration 8.12.2 Constructors 8.12.3 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructors 8.13.4 Members inherited from class AbstractScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.10 Class ProfileMenuScreen 8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructors 8.13.1 Declaration 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.10.1 Declaration 8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructors 8.13.1 Declaration 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.10.2 Constructor summary 8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.10.3 Constructors 8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9.13.4 Members inherited from class AbstractScreen 9.14 Class Abstraction 9.15 Methods summary 9.15 Methods 9.16 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary 9.2.2 Constructor summary 9.3.3 Method summary 9.3.4 Members inherited from class Vertex 9.3 Class Application 9.4 Class Application 9.5 Constructor summary	
8.10.4 Members inherited from class AbstractScreen 8.11 Class ProfileSettingsMenuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.11 Class ProfileSettingsMemuScreen 8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.11.1 Declaration 8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.11.2 Constructor summary 8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructor summary 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.11.3 Constructors 8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.11.4 Members inherited from class AbstractScreen 8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.12 Class SettingsMenuScreen 8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.12.1 Declaration 8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.12.2 Constructor summary 8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.1 Declaration 9.2.2 Constructor summary	
8.12.3 Constructors 8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.12.4 Members inherited from class AbstractScreen 8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.13 Class StageMenuScreen 8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.13.1 Declaration 8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.13.2 Constructor summary 8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.13.3 Constructors 8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
8.13.4 Members inherited from class AbstractScreen 9 Package com.retroMachines.lambda 9.1 Class Abstraction	
Package com.retroMachines.lambda 9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.5 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
9.1 Class Abstraction 9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	
9.1.1 Declaration 9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	36
9.1.2 Constructor summary 9.1.3 Method summary 9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	36
9.1.3 Method summary	36
9.1.4 Constructors 9.1.5 Methods 9.1.6 Members inherited from class Vertex 9.2 Class Application 9.2.1 Declaration 9.2.2 Constructor summary	36
9.1.5 Methods	36
9.1.6 Members inherited from class Vertex 9.2 Class Application	36
9.2 Class Application	
9.2.1 Declaration	37
9.2.2 Constructor summary	37
·	
0.2.3 Method summery	37
9.2.3 Method summary	37

		9.2.4	Constructors	37
		9.2.5	Methods	37
		9.2.6	Members inherited from class Vertex	37
	9.3	Class 7	<u> </u>	37
		9.3.1	Declaration	37
		9.3.2	Constructor summary	38
		9.3.3	Method summary	38
		9.3.4	Constructors	38
		9.3.5	Methods	38
	9.4	Class '	Variable	39
		9.4.1	Declaration	39
		9.4.2	Constructor summary	39
		9.4.3	Method summary	39
		9.4.4	Constructors	39
		9.4.5	Methods	39
		9.4.6	Members inherited from class Vertex	39
	9.5	Class	Vertex	39
		9.5.1	Declaration	39
		9.5.2	All known subclasses	39
		9.5.3	Constructor summary	39
		9.5.4	Method summary	40
		9.5.5	Constructors	40
		9.5.6	Methods	40
		0.0.0		
10		kage co	${ m cm.retroMachines.lambda.test}$	41
10		kage co	om.retroMachines.lambda.test AbstractTerm	41 41
10		kage co Class 1	om.retroMachines.lambda.test AbstractTerm	41 41 41
10		kage co Class 1 10.1.1 10.1.2	Declaration	41 41 41 41
10		Class 1 10.1.1 10.1.2 10.1.3	Declaration	41 41 41 41
10		Class 1 10.1.1 10.1.2 10.1.3 10.1.4	Declaration	41 41 41 41 41
10		Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5	om.retroMachines.lambda.test AbstractTerm Declaration All known subclasses Constructor summary Method summary Constructors	41 41 41 41 41 42
10	10.1	Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6	Declaration	41 41 41 41 41 42 42
10	10.1	Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6 Class 1	Declaration	41 41 41 41 41 42 42 42
10	10.1	Class 1 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6 Class 1 10.2.1	Declaration	41 41 41 41 41 42 42 42
10	10.1	Class 1 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6 Class 1 10.2.1 10.2.2	Declaration	41 41 41 41 41 42 42 42 42
10	10.1	Class 1 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6 Class 1 10.2.1 10.2.2 10.2.3	Declaration All known subclasses Constructor summary Method summary Constructors Methods Declaration Main Declaration Constructor summary Method summary Methods Main Declaration Constructor summary Method summary Method summary Method summary	41 41 41 41 41 42 42 42 42 42
10	10.1	Class 1 10.1.4 10.1.5 10.1.6 Class 1 10.2.1 10.2.2 10.2.3 10.2.4	om.retroMachines.lambda.test AbstractTerm Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Main Declaration Constructor summary Method summary Method summary Constructors	41 41 41 41 41 42 42 42 42 42 42
10	10.1	Class 1 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6 Class 1 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5	om.retroMachines.lambda.test AbstractTerm Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Modelaration Constructor summary Method summary Method summary Method summary Constructors Methods	41 41 41 41 41 42 42 42 42 42 42 42 42
10	10.1	Class 1 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 1 10.2.5	Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Methods Main Declaration Constructor summary Method summary Method summary Method summary Method summary Constructors Methods Term1	41 41 41 41 42 42 42 42 42 42 42 42
10	10.1	Class 1 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 1 10.3.1	Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Method summary Constructor summary Method summary Method summary Method summary Method summary Method summary Constructors Methods Term1 Declaration	41 41 41 41 42 42 42 42 42 42 42 42 42 42
10	10.1	Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 10.3.1 10.3.2	Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Method summary Method summary Method summary Method summary Method summary Constructors Methods Term1 Declaration Constructor summary Constructor summary	41 41 41 41 41 42 42 42 42 42 42 42 42 42 42 42 42
10	10.1	Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 10.3.1 10.3.2 10.3.3	Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Method summary Declaration Constructor summary Method summary Constructor summary Method summary Constructors Methods Term1 Declaration Constructor summary	41 41 41 41 41 42 42 42 42 42 42 42 42 42 42 42 42 42
10	10.110.210.3	Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 10.3.1 10.3.2 10.3.3 10.3.4	Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Method summary Declaration Constructor summary Method summary Constructor summary Method summary Constructors Methods Perm1 Declaration Constructor summary Constructor summary Methods Perm1 Declaration Constructor summary Constructor summary	41 41 41 41 42 42 42 42 42 42 42 42 42 43 43
10	10.110.210.3	Class 1 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.1.6 Class 1 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 1 10.3.1 10.3.2 10.3.3 10.3.4 Class 1 10.3.4	Om.retroMachines.lambda.test AbstractTerm Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Method summary Constructor summary Constructors Methods Term1 Declaration Constructor summary Constructor summary Methods Term2	41 41 41 41 41 42 42 42 42 42 42 42 42 42 42 42 42 42
10	10.110.210.3	Class 10.1.1 10.1.2 10.1.3 10.1.4 10.1.5 10.2.1 10.2.2 10.2.3 10.2.4 10.2.5 Class 10.3.1 10.3.2 10.3.4 Class 10.4.1	Declaration All known subclasses Constructor summary Method summary Constructors Methods Main Declaration Constructor summary Method summary Constructor summary Method summary Declaration Constructor summary Method summary Constructor summary Method summary Constructors Methods Perm1 Declaration Constructor summary Constructor summary Methods Perm1 Declaration Constructor summary Constructor summary	41 41 41 41 42 42 42 42 42 42 42 42 42 43 43

		10.4.3 C	Constructors	43
			Members inherited from class AbstractTerm	
		-		
11	Pacl	kage con	n.retroMachines.util	44
	11.1	Class Co	onstants	44
		11.1.1 I	Declaration	44
		11.1.2 C	Constructor summary	44
		11.1.3 C	Constructors	44
12		_	n.retroMachines.game.controllers	45
	12.1		ameController	
			Declaration	
			Constructor summary	
			Method summary	
			Constructors	
	10.0		Methods	
	12.2		rofileController	
			Declaration	
			Field summary	
			Constructor summary	
			Method summary	
			Fields	
			Constructors	
	10.9		Methods	
	12.3		ettingController	
			Declaration	
			Constructor summary	
	10.4		Constructors	
	12.4		atisticController	
			Declaration	
			Constructor summary	
		12.4.3 C	Constructors	48
13	Pacl	zage con	n.retroMachines.game.gameelements	49
10		_	ameElement	
	10.1		Declaration	
			All known subclasses	
			Constructor summary	
			Method summary	
			Constructors	
			Methods	
	13.9		ghtElement	
	10.2		Declaration	
			Constructor summary	
			Method summary	
			Constructors	
			Methods	50

	13.2.6 N	Members inherited from class GameElement	50
13.3	Class Ma	achineElement	51
	13.3.1 D	Declaration	51
	13.3.2 C	Constructor summary	51
	13.3.3 N	Method summary	51
	13.3.4 C	Constructors	51
	13.3.5 N	$egin{aligned} ext{Methods} & \ldots & \ldots & \ldots & \ldots & \ldots & \ldots \end{aligned}$	51
	13.3.6 N	Members inherited from class GameElement	51
13.4	Class Me	etalElement	51
	13.4.1 D	Declaration	51
	13.4.2 C	Constructor summary	51
	13.4.3 N	Method summary	51
	13.4.4 C	Constructors	51
	13.4.5 N	$egin{array}{lll} egin{array}{lll} egin{arra$	52
	13.4.6 N	Members inherited from class GameElement	52
13.5	Class Re	etroMan	52
	13.5.1 D	Declaration	52
	13.5.2 F	Field summary	52
	13.5.3 C	Constructor summary	52
	13.5.4 N	Method summary	52
	13.5.5 F	Fields	52
	13.5.6 C	Constructors	52
	13 5 7 N	Methods	53

Package com.retroMachines.game.Map

Package Contents	Page
Classes LambdaToMap	8
Map	9

1.1 Class LambdaToMap

1.1.1 Declaration

 $\begin{array}{l} {\rm public~class~LambdaToMap} \\ {\bf extends} \ {\rm java.lang.Object} \end{array}$

1.1.2 Constructor summary

LambdaToMap()

1.1.3 Method summary

getMapFromTerm(String)

1.1.4 Constructors

• LambdaToMap public LambdaToMap()

1.1.5 Methods

• getMapFromTerm public Map getMapFromTerm(java.lang.String lambda)

1.2 Class Map

1.2.1 Declaration

public class Map **extends** java.lang.Object

1.2.2 Constructor summary

Map()

1.2.3 Constructors

• Map public Map()

2.1.5 Fields

 $\bullet\,$ public static Asset Manager
 $\mathbf{manager}$

${\bf Package\ com. retro Machines. data}$

Packag	ge Contents	age
Classe	es setManager	. 10
2.1	Class AssetManager	
2.1.1	Declaration	
-	class AssetManager ds com.badlogic.gdx.assets.AssetManager	
2.1.2	Field summary	
	manager menuSkin	
2.1.3	Constructor summary	
A	$\mathbf{AssetManager}()$	
2.1.4	Method summary	
1 0 s	initialize() loads all relevant objects into the cache of the game for flawless drawing loadMap(int) Loads a map from the Storage based on it's id queueLoading() setMenuSkin() update()	

• public static com.badlogic.gdx.scenes.scene2d.ui.Skin menuSkin

2.1.6 Constructors

• AssetManager public AssetManager()

2.1.7 Methods

• initialize

public void initialize()

- Description

loads all relevant objects into the cache of the game for flawless drawing

• loadMap

public static com.badlogic.gdx.maps.tiled.TiledMap loadMap(int levelId)

- Description

Loads a map from the Storage based on it's id

- Parameters
 - * levelId the id of the map to load
- **Returns** the map loaded as a TiledMap
- queueLoading

public static void queueLoading()

• setMenuSkin

public static void setMenuSkin()

• update

public synchronized boolean update()

2.1.8 Members inherited from class AssetManager

com.badlogic.gdx.assets.AssetManager

- public synchronized void clear()
- public synchronized boolean containsAsset(java.lang.Object arg0)
- public synchronized void dispose()
- public void finishLoading()
- public synchronized Object get(AssetDescriptor arg0)
- public synchronized Object get(java.lang.String arg0)
- ullet public synchronized Object $\gcd(\text{java.lang.String } \arg 0, \text{ java.lang.Class } \arg 1)$
- public synchronized Array getAll(java.lang.Class arg0, com.badlogic.gdx.utils.Array arg1)
- public synchronized String getAssetFileName(java.lang.Object arg0)
- public synchronized Array getAssetNames()
- public synchronized Class getAssetType(java.lang.String arg0)
- public synchronized Array getDependencies(java.lang.String arg0)
- public synchronized String getDiagnostics()
- public synchronized int getLoadedAssets()

- public AssetLoader getLoader(java.lang.Class arg0)
- public AssetLoader getLoader(java.lang.Class arg0, java.lang.String arg1)
- public Logger getLogger()
- public synchronized float getProgress()
- public synchronized int getQueuedAssets()
- public synchronized int getReferenceCount(java.lang.String arg0)
- public synchronized boolean isLoaded(java.lang.String arg0)
- public synchronized boolean isLoaded(java.lang.String arg0, java.lang.Class arg1)
- public synchronized void load(AssetDescriptor arg0)
- public synchronized void load(java.lang.String arg0, java.lang.Class arg1)
- public synchronized void load(java.lang.String arg0, java.lang.Class arg1, AssetLoaderParameters arg2)
- public synchronized void setErrorListener(AssetErrorListener arg0)
- public synchronized void setLoader(java.lang.Class arg0, loaders.AssetLoader arg1)
- public synchronized void setLoader(java.lang.Class arg0, java.lang.String arg1, loaders.AssetLoader arg2)
- public void setLogger(com.badlogic.gdx.utils.Logger arg0)
- public synchronized void setReferenceCount(java.lang.String arg0, int arg1)
- public synchronized void unload(java.lang.String arg0)
- public synchronized boolean update()
- public boolean update(int arg0)

${\bf Package\ com.retro Machines.game}$

Package Contents	Page
Classes Controller	13
3.1 Class Controller	
3.1.1 Declaration	
public class Controller extends java.lang.Object	
3.1.2 Constructor summary	
$\operatorname{Controller}()$	
3.1.3 Constructors	
• Controller public Controller()	

Package com.retroMachines.data.models

Package Contents	Page
Classes	
Profile	14
Setting	16
Statistic	17

4.1 Class Profile

4.1.1 Declaration

 $\begin{array}{l} \text{public class Profile} \\ \textbf{extends} \ \text{java.lang.Object} \end{array}$

4.1.2 Constructor summary

Profile(String, int, Setting, Statistic) constructor for a new profile

4.1.3 Method summary

```
getProfileId()
getProfileName()
getSetting()
setProfileId(int)
setProfileName(String)
setSetting(Setting)
```

4.1.4 Constructors

• Profile

public Profile(java.lang.String name, int profileId, Setting setting, Statistic statistic)

- Description

constructor for a new profile

- Parameters

- * name Name of the profile
- * profileId Id of the profile
- * setting settings of the profile
- * statistic statistics of the profile

4.1.5 Methods

• getProfileId

public int getProfileId()

- **Returns** - the Id of the profile

• getProfileName

public java.lang.String getProfileName()

- **Returns** - the name of the profile

• getSetting

public Setting getSetting()

- **Returns** - the setting

• setProfileId

public void setProfileId(int profileId)

- Parameters

* profileId - new Id of the profile

• setProfileName

public void setProfileName(java.lang.String profileName)

- Parameters

* profileName - new name of the profile

• setSetting

public void setSetting(Setting setting)

- Parameters

* setting - the setting to set

4.2 Class Setting

4.2.1 Declaration

public class Setting **extends** java.lang.Object

4.2.2 Constructor summary

Setting(boolean, boolean, float)

4.2.3 Method summary

```
getVolume()
isLeftControl()
isSoundOnOff()
setLeftControl(boolean)
setSoundOnOff(boolean)
setVolume(float)
```

4.2.4 Constructors

• Setting public Setting(boolean leftControl, boolean soundOnOff, float volume)

4.2.5 Methods

• getVolume

```
public float getVolume()
```

- **Returns** the volume
- isLeftControl

public boolean isLeftControl()

- **Returns** the leftControl
- isSoundOnOff

public boolean isSoundOnOff()

- **Returns** the soundOnOff
- \bullet setLeftControl

public void setLeftControl(boolean leftControl)

- Parameters
 - * leftControl the leftControl to set
- \bullet setSoundOnOff

public void setSoundOnOff(boolean soundOnOff)

- Parameters

```
* soundOnOff - the soundOnOff to set
```

• setVolume

```
public void setVolume(float volume)
```

- Parameters
 - * volume the volume to set

4.3 Class Statistic

4.3.1 Declaration

public class Statistic **extends** java.lang.Object

4.3.2 Constructor summary

Statistic(int, int, int) creates a new instance of Statistic and assigns all the variables to the instance

4.3.3 Method summary

```
getLevelsComplete()
getPlaytime()
getStepCounter()
setLevelsComplete(int)
setPlaytime(int)
setStepCounter(int)
```

4.3.4 Constructors

- Statistic
 - public Statistic(int playtime, int levelsComplete, int stepCounter)
 - Description

creates a new instance of Statistic and assigns all the variables to the instance

- Parameters
 - * playtime -
 - * levelsComplete -
 - * stepCounter -

4.3.5 Methods

• getLevelsComplete public int getLevelsComplete()

• getPlaytime public int getPlaytime()

• getStepCounter public int getStepCounter()

• setLevelsComplete public void setLevelsComplete(int levelsComplete)

• setPlaytime public void setPlaytime(int playtime)

• setStepCounter public void setStepCounter(int stepCounter)

Package com.retroMachines.ui.screens

Package Contents	Page
Classes	
AbstractScreen	19
Abstrakte Screen Klasse auf die alle Anzeigen des Spiels handhabt.	
AndroidCamera	20

5.1 Class AbstractScreen

Abstrakte Screen Klasse auf die alle Anzeigen des Spiels handhabt.

5.1.1 Declaration

public abstract class AbstractScreen extends java.lang.Object implements com.badlogic.gdx.Screen

5.1.2 All known subclasses

EvaluationScreen (in 7.1, page 24), GameScreen (in 7.2, page 25), ProfileMenuScreen (in 8.10, page 33), AboutMenuScreen (in 8.1, page 28), CreateFirstProfileMenuScreen (in 8.3, page 29), SettingsMenuScreen (in 8.12, page 34), CreateProfileMenuScreen (in 8.4, page 29), ProfileManagementMenuScreen (in 8.9, page 33), AchievmentsMenuScreen (in 8.2, page 28), LoadMenuScreen (in 8.6, page 31), LevelMenuScreen (in 8.5, page 30), MenuScreen (in 8.8, page 32), MainMenuScreen (in 8.7, page 31), StageMenuScreen (in 8.13, page 35), ProfileSettingsMenuScreen (in 8.11, page 34)

5.1.3 Constructor summary

AbstractScreen(RetroMachines)

5.1.4 Method summary

```
dispose()
hide()
pause()
render(float) Renders the Stage to the Screen.
resize(int, int)
resume()
show()
```

5.1.5 Constructors

• AbstractScreen
public AbstractScreen(com.retroMachines.RetroMachines game)

5.1.6 Methods

- dispose void dispose()
- hide void hide()
- pause void pause()
- render

public void render(float delta)

- Description

Renders the Stage to the Screen.

• resize

void resize(int arg0, int arg1)

• resume

void resume()

• show

void show()

5.2 Class AndroidCamera

5.2.1 Declaration

public class Android Camera ${\bf extends} \ {\bf com.badlogic.gdx.graphics.OrthographicCamera}$

5.2.2 Constructor summary

AndroidCamera(int, int)

5.2.3 Constructors

• AndroidCamera

public AndroidCamera(int width, int height)

5.2.4 Members inherited from class OrthographicCamera

 $\verb|com.badlogic.gdx.graphics.OrthographicCamera|\\$

- public void rotate(float arg0)
- public void setToOrtho(boolean arg0)
- public void setToOrtho(boolean arg0, float arg1, float arg2)
- public void translate(float arg0, float arg1)
- public void translate(com.badlogic.gdx.math.Vector2 arg0)
- public void update()
- public void update(boolean arg0)
- public zoom

5.2.5 Members inherited from class Camera

com.badlogic.gdx.graphics.Camera

- public final combined
 - public final direction
 - public far
 - ullet public final frustum

 - public Ray getPickRay(float arg0, float arg1)
 public Ray getPickRay(float arg0, float arg1, float arg2, float arg3, float arg4, float arg5)
 - public final invProjectionView
 - public void lookAt(float arg0, float arg1, float arg2)
 - public void lookAt(com.badlogic.gdx.math.Vector3 arg0)
 - public near
 - public void normalizeUp()
 - public final position
 - public Vector3 project(com.badlogic.gdx.math.Vector3 arg0)
 - public Vector3 project(com.badlogic.gdx.math.Vector3 arg0, float arg1, float arg2, float arg3, float arg4)
 - public final projection
 - public void rotate(float arg0, float arg1, float arg2, float arg3)
 - public void rotate(com.badlogic.gdx.math.Matrix4 arg0)
 - public void rotate(com.badlogic.gdx.math.Quaternion arg0)
 - public void rotate(com.badlogic.gdx.math.Vector3 arg0, float arg1)
 - public void rotateAround(com.badlogic.gdx.math.Vector3 arg0,
 - com.badlogic.gdx.math.Vector3 arg1, float arg2)
 - public void transform(com.badlogic.gdx.math.Matrix4 arg0)
 - public void translate(float arg0, float arg1, float arg2)
 - public void translate(com.badlogic.gdx.math.Vector3 arg0) public Vector3 unproject(com.badlogic.gdx.math.Vector3 arg0)
 - public Vector3 unproject(com.badlogic.gdx.math.Vector3 arg0, float arg1, float arg2, float arg3, float arg4)
 - public final up
 - public abstract void update()
 - public abstract void update(boolean arg0)
 - public final view
 - public viewportHeight
 - public viewportWidth

Package com.retroMachines

Package Contents	Page
Classes RetroMachines	22
6.1 Class RetroMachines	
6.1.1 Declaration	
public class RetroMachines extends com.badlogic.gdx.Game	
6.1.2 Field summary HEIGHT WIDTH	
6.1.3 Constructor summary	
$\operatorname{RetroMachines}()$	
6.1.4 Method summary create() getProfileController() getSettingController()	
6.1.5 Fields	
• public static final int WIDTH	
• public static final int HEIGHT	

6.1.6 Constructors

• RetroMachines public RetroMachines()

6.1.7 Methods

- create public void create()
- getProfileController public game.controllers.ProfileController getProfileController()
- getSettingController public game.controllers.SettingController getSettingController()

6.1.8 Members inherited from class Game

com.badlogic.gdx.Game

- public void dispose()
- public Screen getScreen()
- public void pause()
- public void render()
- public void resize(int arg0, int arg1)
- public void resume()
- public void setScreen(Screen arg0)

Package com.retroMachines.ui.screens.game

Package Contents	Page
Classes	
EvaluationScreen	24
GameScreen	25

7.1 Class EvaluationScreen

7.1.1 Declaration

public class EvaluationScreen **extends** com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

7.1.2 Constructor summary

EvaluationScreen(RetroMachines, GameController)

7.1.3 Constructors

• EvaluationScreen

public EvaluationScreen(com.retroMachines.RetroMachines game,

com.retroMachines.game.controllers.GameController gameController)

7.1.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)

- public void resize(int width, int height)
- public void resume()
- public void show()

7.2 Class GameScreen

7.2.1 Declaration

```
public class GameScreen extends com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)
```

7.2.2 Constructor summary

GameScreen(RetroMachines, GameController)

7.2.3 Method summary

```
dispose()
render(float)
setMap(TiledMap)
```

7.2.4 Constructors

• GameScreen

```
public GameScreen(com.retroMachines.RetroMachines game,
com.retroMachines.game.controllers.GameController gameController)
```

7.2.5 Methods

- dispose void dispose()
- render

public void render(float delta)

- Description copied from com.retro Machines.ui.screens.AbstractScreen (in 5.1, page 19)

Renders the Stage to the Screen.

• setMap

```
public void setMap(com.badlogic.gdx.maps.tiled.TiledMap map)
```

7.2.6 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)

- public void resume()public void show()

Package com.retroMachines.ui.screens.menus

Package Contents	Page
Classes AboutMenuScreen	28
AchievmentsMenuScreen	28
CreateFirstProfileMenuScreen	29
CreateProfileMenuScreen	29
LevelMenuScreen	30
LoadMenuScreen	31
MainMenuScreen	31
MenuScreen	ns
ProfileMenuScreen	
ProfileSettingsMenuScreen	34
SettingsMenuScreen	34
StageMenuScreen	21

8.1 Class AboutMenuScreen

8.1.1 Declaration

public class AboutMenuScreen
extends com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

8.1.2 Constructor summary

AboutMenuScreen(RetroMachines)

8.1.3 Method summary

show()

8.1.4 Constructors

• AboutMenuScreen
public AboutMenuScreen(com.retroMachines.RetroMachines game)

8.1.5 Methods

• show void show()

8.1.6 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.2 Class AchievmentsMenuScreen

8.2.1 Declaration

public class AchievmentsMenuScreen **extends** com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.2.2 Constructor summary

AchievmentsMenuScreen(RetroMachines)

8.2.3 Constructors

• AchievmentsMenuScreen
public AchievmentsMenuScreen(com.retroMachines.RetroMachines game)

8.2.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.3 Class CreateFirstProfileMenuScreen

8.3.1 Declaration

public class CreateFirstProfileMenuScreen **extends** com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.3.2 Constructor summary

CreateFirstProfileMenuScreen(RetroMachines)

8.3.3 Constructors

• CreateFirstProfileMenuScreen
public CreateFirstProfileMenuScreen(com.retroMachines.RetroMachines
game)

8.3.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.4 Class CreateProfileMenuScreen

8.4.1 Declaration

public class CreateProfileMenuScreen extends com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.4.2 Constructor summary

CreateProfileMenuScreen(RetroMachines)

8.4.3 Constructors

• CreateProfileMenuScreen
public CreateProfileMenuScreen(com.retroMachines.RetroMachines game)

8.4.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.5 Class LevelMenuScreen

8.5.1 Declaration

public class LevelMenuScreen extends com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.5.2 Constructor summary

LevelMenuScreen(RetroMachines)

8.5.3 Constructors

• LevelMenuScreen
public LevelMenuScreen(com.retroMachines.RetroMachines game)

8.5.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.6 Class LoadMenuScreen

8.6.1 Declaration

public class LoadMenuScreen

extends com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

8.6.2 Constructor summary

LoadMenuScreen(RetroMachines)

8.6.3 Method summary

show()

8.6.4 Constructors

• LoadMenuScreen
public LoadMenuScreen(com.retroMachines.RetroMachines game)

8.6.5 Methods

• show void show()

8.6.6 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.7 Class MainMenuScreen

8.7.1 Declaration

public class MainMenuScreen **extends** com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.7.2 Constructor summary

MainMenuScreen(RetroMachines)

8.7.3 Method summary

show()

8.7.4 Constructors

• MainMenuScreen
public MainMenuScreen(com.retroMachines.RetroMachines game)

8.7.5 Methods

• show void show()

8.7.6 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.8 Class MenuScreen

abstrakte MenuScreen klasse die die grundstzliche Struktur eines Mens wiederspiegelt.

8.8.1 Declaration

```
public abstract class MenuScreen extends com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)
```

8.8.2 All known subclasses

ProfileMenuScreen (in 8.10, page 33), CreateFirstProfileMenuScreen (in 8.3, page 29), Settings-MenuScreen (in 8.12, page 34), CreateProfileMenuScreen (in 8.4, page 29), ProfileManagement-MenuScreen (in 8.9, page 33), AchievmentsMenuScreen (in 8.2, page 28), LevelMenuScreen (in 8.5, page 30), MainMenuScreen (in 8.7, page 31), StageMenuScreen (in 8.13, page 35), ProfileSettingsMenuScreen (in 8.11, page 34)

8.8.3 Constructor summary

MenuScreen(RetroMachines)

8.8.4 Constructors

• MenuScreen

public MenuScreen(com.retroMachines.RetroMachines game)

8.8.5 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.9 Class ProfileManagementMenuScreen

8.9.1 Declaration

public class ProfileManagementMenuScreen **extends** com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.9.2 Constructor summary

 ${\bf Profile Management Menu Screen (Retro Machines)}$

8.9.3 Constructors

• ProfileManagementMenuScreen

public ProfileManagementMenuScreen(com.retroMachines.RetroMachines

game)

8.9.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.10 Class ProfileMenuScreen

8.10.1 Declaration

public class ProfileMenuScreen extends com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.10.2 Constructor summary

ProfileMenuScreen(RetroMachines)

8.10.3 Constructors

• ProfileMenuScreen
public ProfileMenuScreen(com.retroMachines.RetroMachines game)

8.10.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.11 Class ProfileSettingsMenuScreen

8.11.1 Declaration

public class ProfileSettingsMenuScreen **extends** com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.11.2 Constructor summary

ProfileSettingsMenuScreen(RetroMachines)

8.11.3 Constructors

• ProfileSettingsMenuScreen
public ProfileSettingsMenuScreen(com.retroMachines.RetroMachines game)

8.11.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.12 Class SettingsMenuScreen

8.12.1 Declaration

public class SettingsMenuScreen extends com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.12.2 Constructor summary

SettingsMenuScreen(RetroMachines)

8.12.3 Constructors

• SettingsMenuScreen
public SettingsMenuScreen(com.retroMachines.RetroMachines game)

8.12.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

8.13 Class StageMenuScreen

8.13.1 Declaration

public class StageMenuScreen extends com.retroMachines.ui.screens.menus.MenuScreen (in 8.8, page 32)

8.13.2 Constructor summary

StageMenuScreen(RetroMachines)

8.13.3 Constructors

• StageMenuScreen
public StageMenuScreen(com.retroMachines.RetroMachines game)

8.13.4 Members inherited from class AbstractScreen

com.retroMachines.ui.screens.AbstractScreen (in 5.1, page 19)

- public void dispose()
- public void hide()
- public void pause()
- public void render(float delta)
- public void resize(int width, int height)
- public void resume()
- public void show()

Package Contents

${\bf Package\ com. retro Machines. lambda}$

Page

	9
Classes Abstraction	26
Abstraction	
Application	37
Tree	37
Variable	39
Vertex	39
9.1 Class Abstraction	
9.1.1 Declaration	
9.1.1 Declaration	
public class Abstraction extends com.retroMachines.lambda.Vertex (in 9.5, page 39)	
9.1.2 Constructor summary	
Abstraction(Tree, Variable)	
9.1.3 Method summary	
$\mathbf{toString}()$	
9.1.4 Constructors	
• Abstraction	

public Abstraction(Tree tree, Variable var)

9.1.5 Methods

• toString public java.lang.String toString()

9.1.6 Members inherited from class Vertex

com.retroMachines.lambda.Vertex (in 9.5, page 39)

- public boolean setEdge(Vertex v)
- public abstract String toString()

9.2 Class Application

9.2.1 Declaration

public class Application extends com.retroMachines.lambda.Vertex (in 9.5, page 39)

9.2.2 Constructor summary

Application(Tree, Tree)

9.2.3 Method summary

toString()

9.2.4 Constructors

• Application

public Application(Tree t1, Tree t2)

9.2.5 Methods

• toString public java.lang.String toString()

9.2.6 Members inherited from class Vertex

 $\verb|com.retroMachines.lambda.Vertex| (in 9.5, page 39)$

- public boolean setEdge(Vertex v)
- public abstract String toString()

9.3 Class Tree

9.3.1 Declaration

public class Tree **extends** java.lang.Object

9.3.2 Constructor summary

Tree(String) creates Tree representation of given lambda-term in string representation

Tree(Vertex)

9.3.3 Method summary

alphaConversion(Variable) fulfills alphConversion on given variable. betaReduction() fulfills one step of beta-reduction toString()

9.3.4 Constructors

• Tree

public Tree(java.lang.String term)

- Description

creates Tree representation of given lambda-term in string representation

- Parameters
 - * term string representation of labmda-term
- Tree

public Tree(Vertex start)

9.3.5 Methods

• alphaConversion

public Variable alphaConversion(Variable var)

- Description

fulfills alphConversion on given variable. Creates new unique variable and replaces every appearance of var in lambda-term where needed. New Variable will be returned

- Parameters
 - * var variable to change
- Returns new created variable
- betaReduction

public boolean betaReduction()

- Description

fulfills one step of beta-reduction

- **Returns** true if this tree has changed, false otherwise
- toString

public java.lang.String toString()

9.4 Class Variable

9.4.1 Declaration

public class Variable extends com.retroMachines.lambda.Vertex (in 9.5, page 39)

9.4.2 Constructor summary

Variable(char)

9.4.3 Method summary

getId()
toString()

9.4.4 Constructors

• Variable public Variable(char id)

9.4.5 Methods

- getId public int getId()
- toString public java.lang.String toString()

9.4.6 Members inherited from class Vertex

com.retroMachines.lambda.Vertex (in 9.5, page 39)

- public boolean setEdge(Vertex v)
- public abstract String toString()

9.5 Class Vertex

9.5.1 Declaration

public abstract class Vertex **extends** java.lang.Object

9.5.2 All known subclasses

Application (in 9.2, page 37), Abstraction (in 9.1, page 36), Variable (in 9.4, page 39)

9.5.3 Constructor summary

Vertex()

9.5.4 Method summary

setEdge(Vertex)
toString()

9.5.5 Constructors

• Vertex public Vertex()

9.5.6 Methods

- setEdge public boolean setEdge(Vertex v)
- toString public java.lang.String toString()

Package com.retroMachines.lambda.test

Package Contents	Page
Classes AbstractTerm	41
Main	42
Term1 Es soll der gegebene Ausdruck mittels der Lambda-Datenstruktur reprsen-	42
tiert werden. Term2	43
10.1 Class AbstractTerm	
10.1.1 Declaration	

public abstract class AbstractTerm **extends** java.lang.Object

10.1.2 All known subclasses

 $\mathrm{Term2}~(\mathrm{in}~10.4,~\mathrm{page}~43),~\mathrm{Term1}~(\mathrm{in}~10.3,~\mathrm{page}~42)$

10.1.3 Constructor summary

AbstractTerm()

10.1.4 Method summary

toString()

10.1.5 Constructors

• AbstractTerm public AbstractTerm()

10.1.6 Methods

• toString public java.lang.String toString()

10.2 Class Main

10.2.1 Declaration

public class Main **extends** java.lang.Object

10.2.2 Constructor summary

Main()

10.2.3 Method summary

main(String[])

10.2.4 Constructors

• Main public Main()

10.2.5 Methods

• main public static void main(java.lang.String[] args)

10.3 Class Term1

Es soll der gegebene Ausdruck mittels der Lambda-Datenstruktur reprsentiert werden. Hier geschieht das von Hand, soll aber spter von einem Parser bernommen werden.

10.3.1 Declaration

public class Term1 **extends** com.retroMachines.lambda.test.AbstractTerm (in 10.1, page 41)

10.3.2 Constructor summary

Term1()

10.3.3 Constructors

• Term1 public Term1()

10.3.4 Members inherited from class AbstractTerm

com.retroMachines.lambda.test.AbstractTerm (in 10.1, page 41)
• public String toString()

10.4 Class Term2

10.4.1 Declaration

public class Term2

extends com.retroMachines.lambda.test.AbstractTerm (in 10.1, page 41)

10.4.2 Constructor summary

Term2()

10.4.3 Constructors

• Term2 public Term2()

10.4.4 Members inherited from class AbstractTerm

 ${\tt com.retroMachines.lambda.test.AbstractTerm} \ \ ({\rm in} \ 10.1, \ {\rm page} \ 41)$

• public String toString()

${\bf Package\ com.retroMachines.util}$

Package Contents	Page
Classes Constants	44
11.1 Class Constants	
11.1.1 Declaration	
public class Constants extends java.lang.Object	
11.1.2 Constructor summary Constants()	
11.1.3 Constructors	
• Constants public Constants()	

${\bf Package} \\ {\bf com.retro Machines.game.controllers} \\$

Package Contents	Page
Classes	
GameController	$\dots 45$
GameController This class represents the controller for the actual game.	
ProfileController	$\dots 46$
SettingController	48
	40
StatisticController	48

12.1 Class GameController

GameController This class represents the controller for the actual game. It sets up levels and also disposes them afterwards. It saves progress to the persistent storage.

12.1.1 Declaration

public class GameController **extends** java.lang.Object

12.1.2 Constructor summary

 ${\bf Game Controller (Retro Machines)}$

12.1.3 Method summary

```
getRetroMan()
jumpRetroMan()
levelFinished() this method will be called
```

startLevel(int) sets initializes a given level and fires it up

12.1.4 Constructors

• GameController public GameController (com.retroMachines.RetroMachines game)

12.1.5 Methods

- getRetroMan public com.retroMachines.game.gameelements.RetroMan getRetroMan()
- jumpRetroMan public void jumpRetroMan()
- levelFinished public void levelFinished()
 - Description
 this method will be called
- startLevel public void startLevel(int levelId)
 - Description
 sets initializes a given level and fires it up
 - Parameters
 - * levelId the level to be started

12.2 Class ProfileController

12.2.1 Declaration

public class ProfileController **extends** java.lang.Object

12.2.2 Field summary

MAX_PROFILE_NUMBER the amount of profiles allowed in the game

12.2.3 Constructor summary

ProfileController(RetroMachines) creates a new instance of the profile controller

12.2.4 Method summary

changeActiveProfile(String) changes to the current profile to another profile
deleteCurrentProfile() removes the currently active profile
getProfile()

getProfileName() Get the name of the currently active user
isValidUsername(String) checks if a given username is valid, meaning it is not
occupied by another profile already

12.2.5 Fields

- public static final int MAX_PROFILE_NUMBER
 - the amount of profiles allowed in the game

12.2.6 Constructors

- ProfileController public ProfileController(com.retroMachines.RetroMachines game)
 - Description
 creates a new instance of the profile controller
 - Parameters
 - * game the game for calls towards the game

12.2.7 Methods

- changeActiveProfile
 public void changeActiveProfile(java.lang.String profileName)
 - Description
 changes to the current profile to another profile
 - Parameters
 - * profileName the name of the profile
- deleteCurrentProfile public void deleteCurrentProfile()
 - Description
 removes the currently active profile
- getProfile

public com.retroMachines.data.models.Profile getProfile()

- **Returns** the profile
- getProfileName

public java.lang.String getProfileName()

- Description

Get the name of the currently active user

- Returns - The name of the currently active user; Empty String if no user is active.

\bullet is Valid Username

public boolean is Valid Username (java.lang. String username)

- Description

checks if a given username is valid, meaning it is not occupied by another profile already

12.3 Class SettingController

12.3.1 Declaration

public class SettingController **extends** java.lang.Object

12.3.2 Constructor summary

SettingController(RetroMachines)

12.3.3 Constructors

• SettingController public SettingController(com.retroMachines.RetroMachines game)

12.4 Class StatisticController

12.4.1 Declaration

public class StatisticController **extends** java.lang.Object

12.4.2 Constructor summary

StatisticController()

12.4.3 Constructors

• StatisticController public StatisticController()

Package com.retroMachines.game.gameelements

Package Contents	Page
Classes GameElement	49
LightElement	
MachineElement	
MetalElement	51
RetroMan	52

13.1 Class GameElement

13.1.1 Declaration

public abstract class Game Element ${f extends}$ java.lang. Object

13.1.2 All known subclasses

Machine Element (in 13.3, page 51), Metal Element (in 13.4, page 51), Light Element (in 13.2, page 50)

13.1.3 Constructor summary

GameElement()

13.1.4 Method summary

render(float)

13.1.5 Constructors

• GameElement public GameElement()

13.1.6 Methods

• render

public abstract void render(float deltaTime)

13.2 Class LightElement

13.2.1 Declaration

public class LightElement extends com.retroMachines.game.gameelements.GameElement (in 13.1, page 49)

13.2.2 Constructor summary

LightElement()

13.2.3 Method summary

render(float)

13.2.4 Constructors

• LightElement public LightElement()

13.2.5 Methods

• render

public abstract void render(float deltaTime)

13.2.6 Members inherited from class GameElement

com.retroMachines.game.gameelements.GameElement (in 13.1, page 49)

• public abstract void render(float deltaTime)

13.3 Class Machine Element

13.3.1 Declaration

public class MachineElement extends com.retroMachines.game.gameelements.GameElement (in 13.1, page 49)

13.3.2 Constructor summary

MachineElement()

13.3.3 Method summary

render(float)

13.3.4 Constructors

• MachineElement public MachineElement()

13.3.5 Methods

• render

public abstract void render(float deltaTime)

13.3.6 Members inherited from class GameElement

 $\verb|com.retroMachines.game.gameelements.GameElement| (in 13.1, page 49)$

• public abstract void render(float deltaTime)

13.4 Class MetalElement

13.4.1 Declaration

public class MetalElement extends com.retroMachines.game.gameelements.GameElement (in 13.1, page 49)

13.4.2 Constructor summary

MetalElement()

13.4.3 Method summary

render(float)

13.4.4 Constructors

• MetalElement public MetalElement()

13.4.5 Methods

• render public abstract void render(float deltaTime)

13.4.6 Members inherited from class GameElement

 $\verb|com.retroMachines.game.gameelements.GameElement| (in 13.1, page 49)$

• public abstract void render(float deltaTime)

13.5 Class RetroMan

13.5.1 Declaration

public class RetroMan **extends** java.lang.Object

13.5.2 Field summary

HEIGHT WIDTH

13.5.3 Constructor summary

RetroMan()

13.5.4 Method summary

```
canJump()
getPos()
hasPickedUpElement()
jump()
landed() Call this method when the character is supposed to jump
pickupElement(GameElement)
render(float)
```

13.5.5 Fields

- public static final float **WIDTH**
- public static final float **HEIGHT**

13.5.6 Constructors

• RetroMan public RetroMan()

13.5.7 Methods

- canJump public boolean canJump()
- getPos
 public com.badlogic.gdx.math.Vector2 getPos()
- hasPickedUpElement public boolean hasPickedUpElement()
 - Returns -
- jump public void jump()
- landed public void landed()
 - Description
 Call this method when the character is supposed to jump
- pickupElement
 public void pickupElement(GameElement element)
 - Parameters
 - * element -
- render

 public com.badlogic.gdx.graphics.g2d.TextureRegion render(float deltaTime)
 - Parameters
 - * deltaTime -