

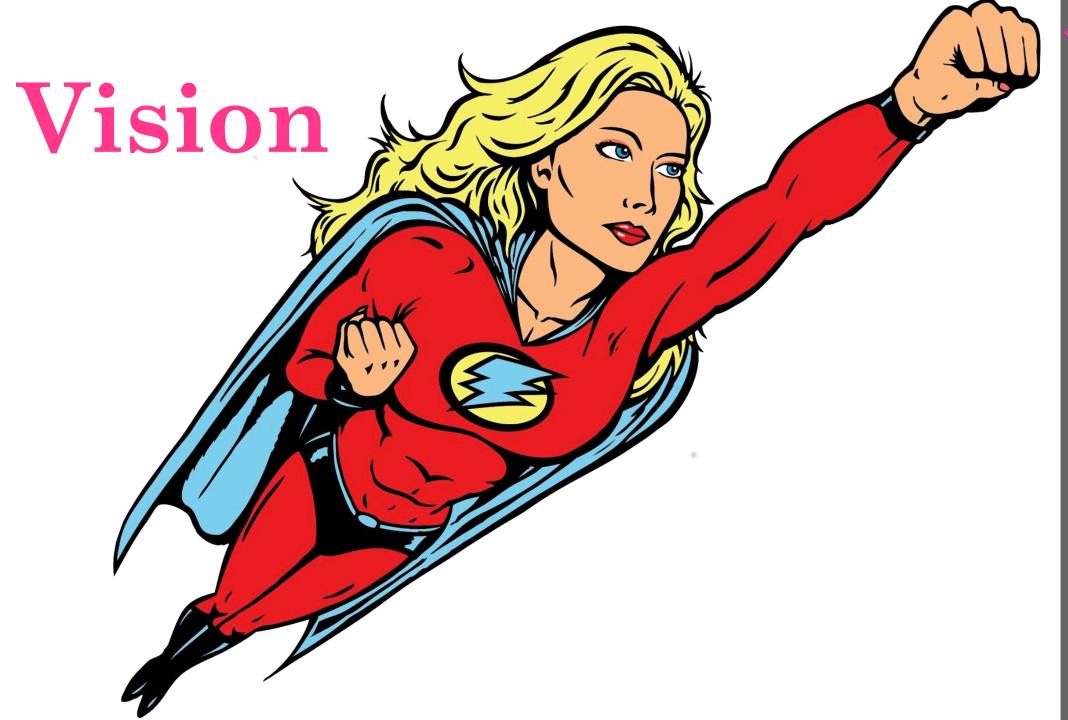


Agenda

- Vision
- Motivation
- Entwicklungswerkzeuge
- Projekt Management
- Use Cases
- Architektur
- Framework
- Tests
- Metrics



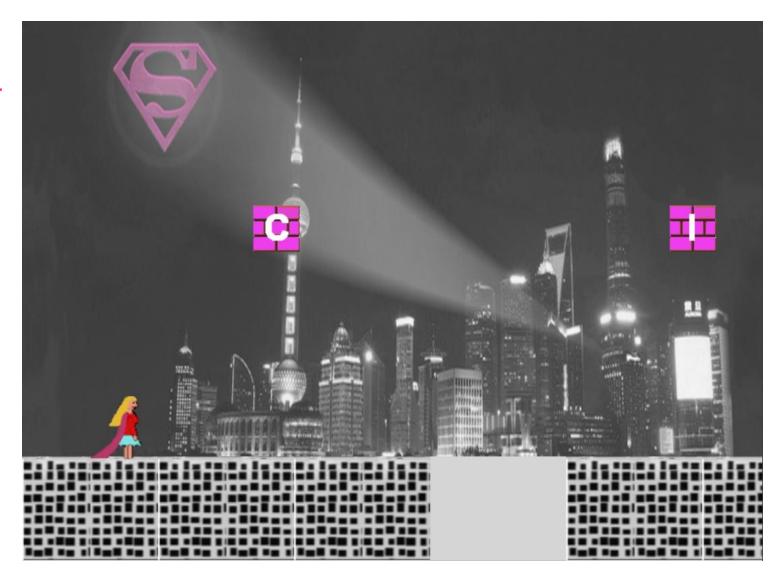
Demo







Vision



Vision Motivation SRS Projekt Management Use Cases Architektur Framework Tests Metrics Demo



Motivation

- Lernspiel
- Verbesserung der Konzentrationsfähigkeit
- Verbesserung der mathematischen Fähigkeiten
- Festigung der geschichtlichen Hintergründe





Entwicklungswerkzeuge

- IDE: Eclipse, VisualStudioCode
- Versionierungstool: GitHub
- Programmiersprachen: JavaScript, JSP, Java
- Projektmanagement: Jira, MS Project
- Datenbank: PostgreSQL
- kontinuierliches Integrations System: Jenkins





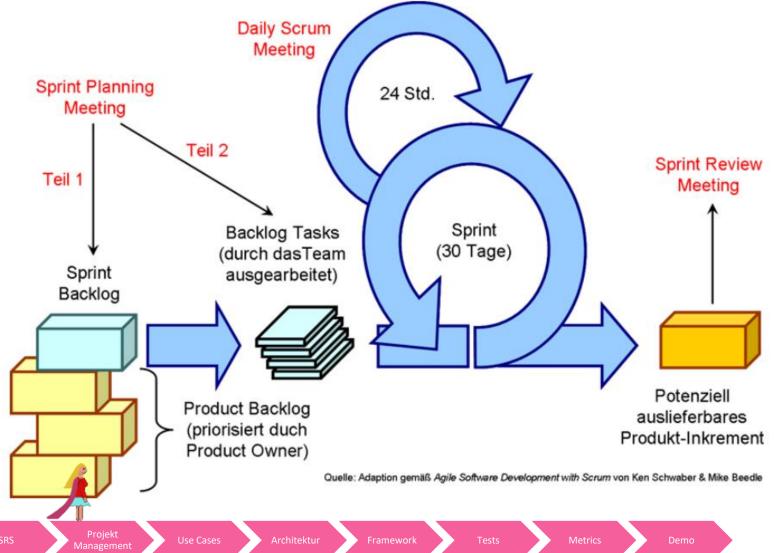
Projekt Management

- Scrum
- Jira
- MS Projekt
- Risiko Management
- Function Points



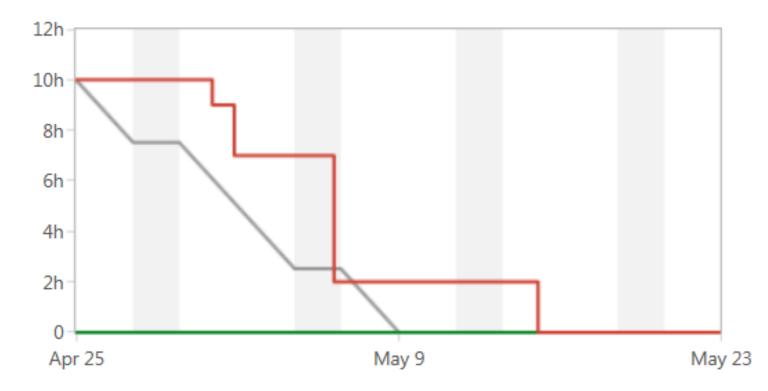


Scrum





Jira





Projekt Management



MS Projekt

		0	Vorgar →	Vorgangsname •	Dauer +	Anfang ▼	Ende ▼	Vor	25	Oktober 2017 30 05 10	15 20	25	November 2017 30 04 09	14	19	24	Dezember 2017 29 04 09
	1		*	Project start	0 Tage	Don 05.10.17	Don 05.10.17			◆ 05.10							
	2		x?	△ Inception													
	3		-5	▶ Project Management	21 Tage	Don 05.10.17	Don 02.11.17										
	14		-5	▷ Configuration	0,5 Tage	Don 05.10.17	Don 05.10.17			П							
	17		5	▶ Business Modeling	26 Tage	Don 19.10.17	Don 23.11.17										
	20		-5	▶ Requirements	1,5 Tage	Don 26.10.17	Fre 27.10.17					П					
	24		-5	Design	34 Tage	Mon 09.10.17	Don 23.11.17										
5	31		-5	▶ Environment	1 Tag	Don 02.11.17	Don 02.11.17						П				
	33		-5	▶ Implementation	2 Tage	Mon 13.11.17	Die 14.11.17						Г	7			
	35		-5	△ Elaboration	33 Tage	Don 26.10.17	Mon 11.12.17										
	36		-5	▶ Project Management	22 Tage	Don 09.11.17	Fre 08.12.17										
	47		-5	▶ Business Modeling	6,13 Tage	Don	Fre 24.11.17								\neg		





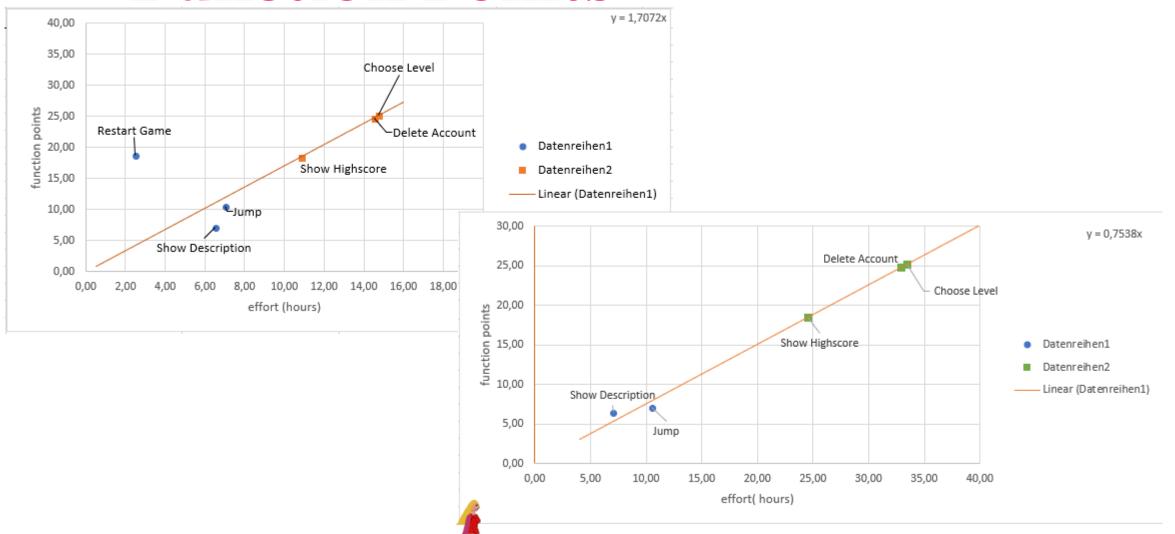
Risko Management

Risk Name	Risk Description	Risk Probability Of Occurrence	Risk Impact	Risk Factor	Risk Mitigation	Person in Charge Of Tracking
Time Problems	The time planned Is insufficient	30,00 %	8	3,75	better time planning	Isa
Quality	Bad Code Quality	20,00 %	6	3,33	Code Reviews	Isa, Lea, Özen
Team Member Problem	A Team Member is Absent	30,00 %	9	3,33	Specifying a Substitute for a Task	Lea
Team Problem	Communication Problems	15,00 %	5	3	Regular meetings	Özen
Server Problem	Server is down	10,00 %	9	1,11	Check server regularly For functionality	Isa, Lea, Özen
Technical Problems	The used Software Is not working	10,00 %	9	1,11	Regular Code Backups	Isa, Lea, Özen
Technical Problems	Github is unavailable	5,00%	8	0,625	inform in time about Alternative programs	Isa, Lea, Özen





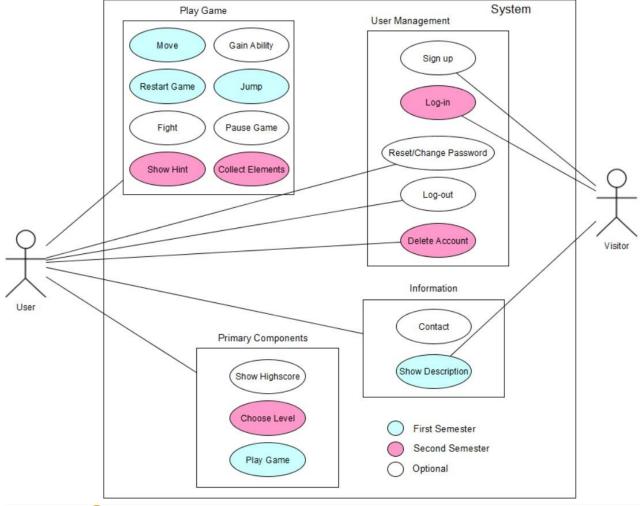
Function Points



Vision Motivation SRS Metrics Demo



Use Cases





Motivation SRS Mar

Architektur

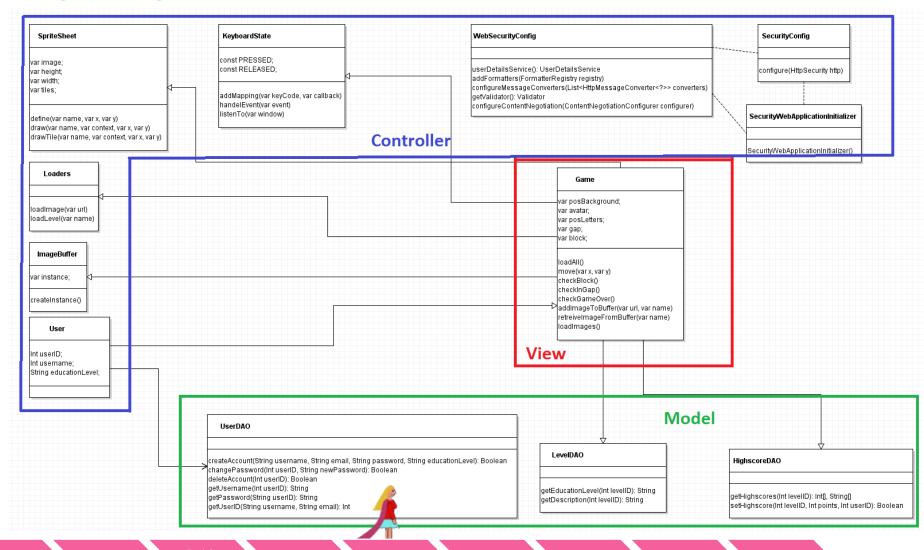
mework

Metric

Dei



Architektur



Use Cases



Framework





Projekt
Management

Use Cases

Architektur

Framework

Tests

Metrics



Tests

- Cucumber Tests
- JUnit Tests
- Anwender Tests





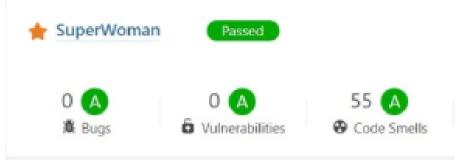
Metrics

- SonarCube:
 - Cognitive Complexity



Codacy

• Code Climate: Code duplication







Demo



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Vielen Dank für Ihre Aufmerksamkeit