meets

**Meet Up And
Get Together**

Gliederung

Einleitung

Projektmanagement

Qualitätsmanagement

Entwicklung

Live Demonstration

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Das Team

Andreas Riepl   Luca Carotenuto   Sebastian Luther
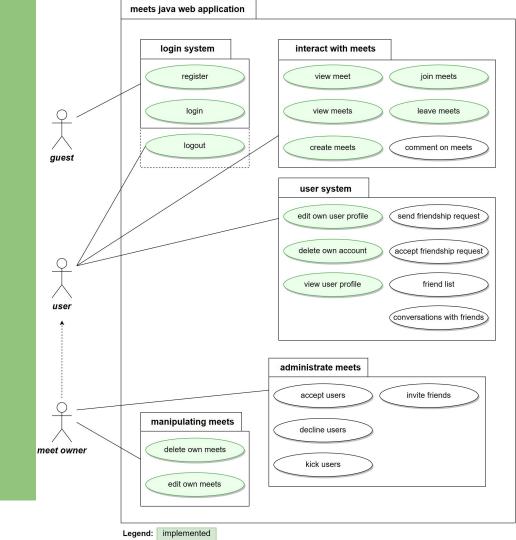
Project Management   Frontend   Backend

Vision

Eine Plattform, auf der Studenten **zusammenkommen**, **neue Freunde finden** und **Events planen** können.

Use Cases

meets java web application

login system
- register
- login
- logout

interact with meets
- view meet
- join meets
- view meets
- leave meets
- create meets
- comment on meets

user system
- edit own user profile
- send friendship request
- delete own account
- accept friendship request
- view user profile
- friend list
- conversations with friends

administrate meets
- accept users
- invite friends
- decline users
- kick users

manipulating meets
- delete own meets
- edit own meets

guest

user

meet owner

Legend: implemented

Continuous Integration — Travis CI

Dokumentation — WordPress

Kommunikation — WhatsApp

Code Review — Codacy

meets

Versionsverwaltung — git

Issue Tracking — JIRA

Entwicklungsframework — vaadin }>

File Hosting — GitHub

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Risikoanalyse

Risk dimension	Probability of Occurrence	Impact	Risk factor	Risk mitigation	Person in Charge of Tracking
poor productivity	45%	50%	22,5	emphasize deadlines and motivate colleagues to wo	Andreas Riepl
framework capabilities do not match desired features	60%	35%	21	if framework does not support features the team wil	Luca Carotenuto
Miscommunication & Misunderstandings	25%	80%	20	weekly updates, synch regularly via messenger	Luca Carotenuto
team member gets sick	20%	80%	16	no alcohol abuse, healthy nutrition	entire team
unrealistic time schedule	80%	20%	16	unrealistic time schedules can be mitigated by spen	Sebastian Luther
architecture lacks flexibility	25%	55%	13,75	choose approriate architecture that supports	Sebastian Luther
Server issues	15%	90%	13,5	little influence on the server environment (Steven K	Andreas Riepl
lack of knowledge or loss of knowledge after semester break for specifi	70%	15%	10,5	ask people around who might have knowledge or re	entire team
team member is fired from company / exmatriculated	5%	95%	4,75	improve performance at university/work	entire team

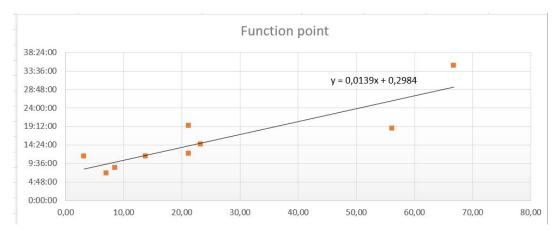# burndown charts (1/2)

Burndown Chart

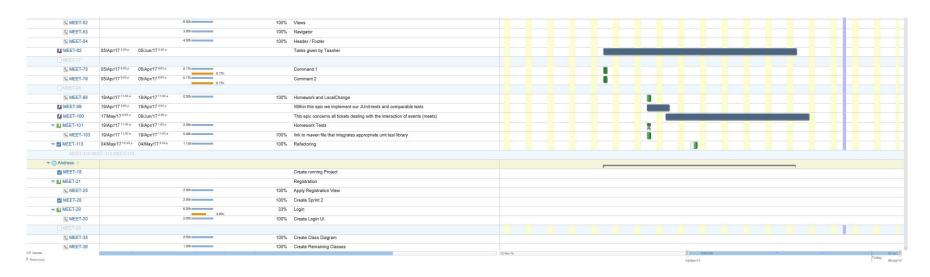# burndown charts (2/2)

Burndown Chart

function points

Function point

y = 0,0139x + 0,2984

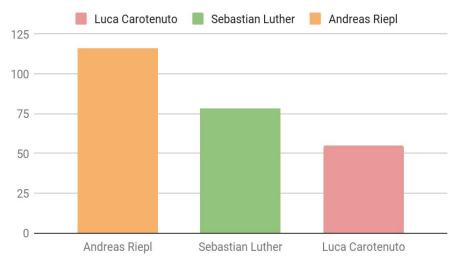| UC Name	Time spent (actual)	FP	calculated time
register	14:30:00	23,30	
login	11:30:00	13,80	
logout	11:25:00	3,20	
edit user profile	8:30:00	8,50	
delete user profile	7:00:00	7,00	
view meets	18:40:00	56,18	22:28:32
create meets	35:00:00	66,78	25:16:26
join meets	19:25:00	21,20	13:14:27
leave meets	12:10:00	21,20	13:14:27

RUP

- Use case getrieben
- iterativ
- Gliederung in 4 Phasen (inception, elaboration, construction, transition)

time investment
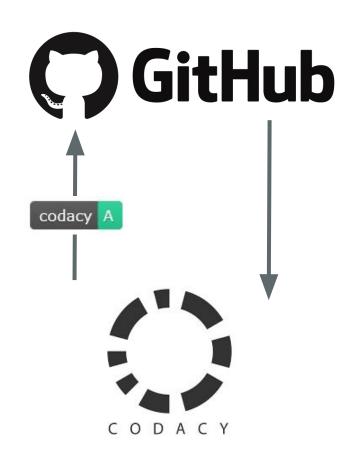
249,7 h

time spent in hours per team member

Project Meets - Andreas Riepl, Sebastian Luther, Luca Carotenuto

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code review
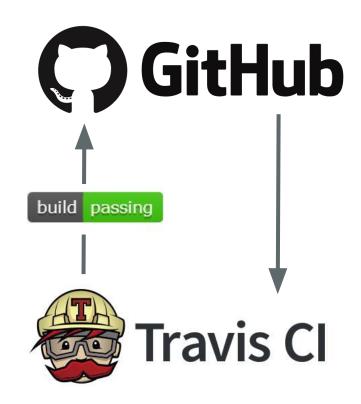
Metrics

Metric	Total	Mean	Std. Dev.	Maximum	Resource causing Maximum	Method
Number of Parameters (avg/max per method)		0,722	0,998	9	/meets/src/main/java/de/meets/assets/Meeting.java	Meeting
Number of Static Attributes (avg/max per type)	45	1,607	2,717	12	/meets/src/main/java/de/meets/assets/Meeting.java	
Efferent Coupling (avg/max per packageFragment)		2,444	2,362	8	/meets/src/main/java/de/meets/gui/views	
Specialization Index (avg/max per type)		0,054	0,166	0,667	/meets/src/main/java/de/meets/gui/extendedComp...	
Number of Classes (avg/max per packageFragment)	28	3,111	2,131	8	/meets/src/main/java/de/meets/gui/views	
Number of Attributes (avg/max per type)	97	3,464	4,46	18	/meets/src/main/java/de/meets/gui/views/ShowUser...	
Abstractness (avg/max per packageFragment)		0,078	0,162	0,5	/meets/src/main/java/de/meets/gui	
Normalized Distance (avg/max per packageFragment)		0,485	0,343	1	/meets/src/main/java/de/meets/assets	
Number of Static Methods (avg/max per type)	1	0,036	0,186	1	/meets/src/main/java/de/meets/hibernate/Database...	
Number of Interfaces (avg/max per packageFragment)	0	0	0	0	/meets/src/main/java/de/meets/asset_manager	
Total Lines of Code	1828					
Weighted methods per Class (avg/max per type)	241	8,607	7,885	28	/meets/src/main/java/de/meets/assets/Meeting.java	
Number of Methods (avg/max per type)	175	6,25	6,983	28	/meets/src/main/java/de/meets/assets/Meeting.java	
Depth of Inheritance Tree (avg/max per type)		3,036	1,973	7	/meets/src/main/java/de/meets/gui/views/Footer.java	
Number of Packages	9					
Instability (avg/max per packageFragment)		0,437	0,347	1	/meets/src/test/java/org/apache/maven/meetsproje...	
McCabe Cyclomatic Complexity (avg/max per method)		1,369	0,968	8	/meets/src/main/java/de/meets/gui/views/Register.j...	registerButtonClicked
Nested Block Depth (avg/max per method)		1,267	0,659	4	/meets/src/main/java/de/meets/gui/views/Register.j...	registerButtonClicked
Lack of Cohesion of Methods (avg/max per type)		0,337	0,358	0,92	/meets/src/main/java/de/meets/assets/Meeting.java	
Method Lines of Code (avg/max per method)	927	5,267	9,334	71	/meets/src/main/java/de/meets/hibernate/Database...	databaseTest
Number of Overridden Methods (avg/max per type)	7	0,25	0,509	2	/meets/src/main/java/de/meets/gui/extendedComp...	
Afferent Coupling (avg/max per packageFragment)		5,444	4,669	15	/meets/src/main/java/de/meets/assets	
Number of Children (avg/max per type)	10	0,357	1,315	6	/meets/src/main/java/de/meets/gui/MeetsView.java	

continuous integration

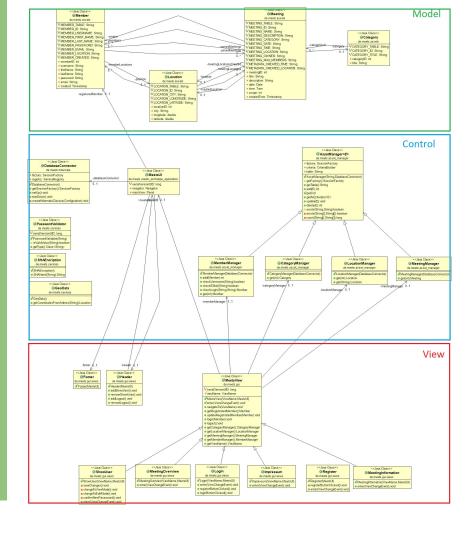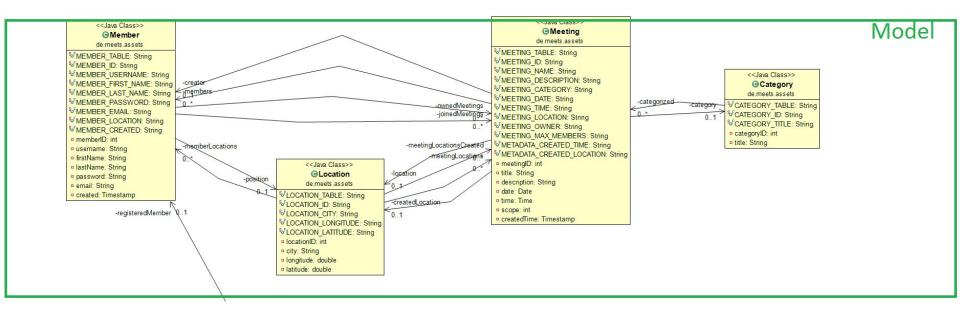# Gliederung

Einleitung

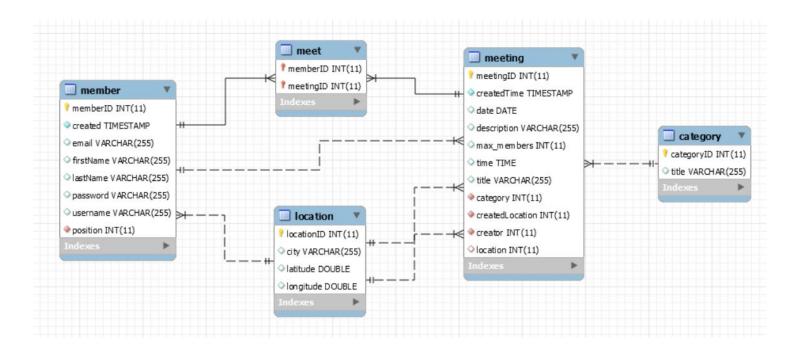Projektmanagement

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MVC

Project Meets - Andreas Riepl, Sebastian Luther, Luca Carotenuto

MVC - model
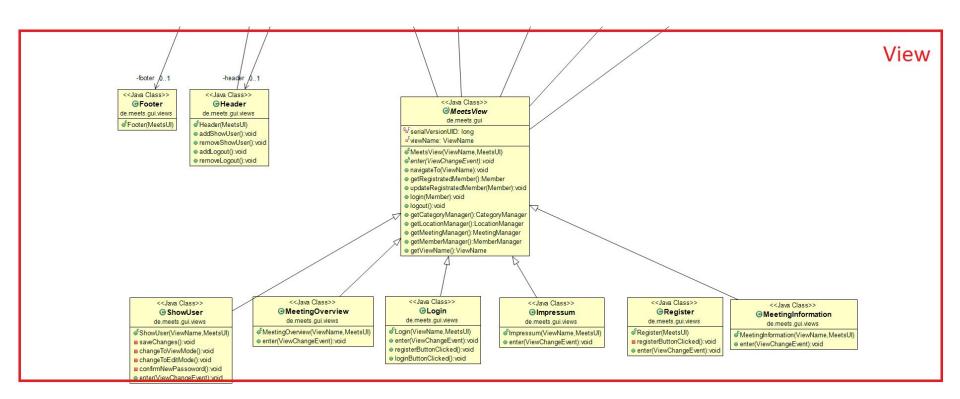
model - database

MVC - view

MVC - control

Control

<<Java Class>>
DatabaseConnector
de.meets.hibernate
- factory: SessionFactory
- registry: ServiceRegistry
- DatabaseConnector()
- getSessionFactory():SessionFactory
- setUp():void
- tearDown():void
- createHibernateClasses(Configuration):void

<<Java Class>>
MeetsUI
de.meets.vaadin_archetype_application
- serialVersionUID: long
- navigator: Navigator
- mainView: Panel

-databaseConnector 0..1

<<Java Class>>
AssetManager<E>
de.meets.asset_manager
- factory: SessionFactory
- criteria: CriteriaBuilder
- table: String
- AssetManager(String,DatabaseConnector)
- getFactory():SessionFactory
- getTable():String
- add(E):int
- get(int)
- getAll():Iterator<E>
- update(E):void
- delete(E):int
- exists(String,String):boolean
- exists(String[],String[]):boolean
- count(String[],String[]):long

~meetsMeetsUI 0..1

<<Java Class>>
PasswordValidator
de.meets.services
- serialVersionUID: long
- PasswordValidator(String)
- isValidValue(String):boolean
- getType():Class<String>

<<Java Class>>
SHAEncription
de.meets.services
- SHAEncription()
- SHAHash(String):String

<<Java Class>>
GeoData
de.meets.services
- GeoData()
- getCoordinatesFromAdress(String):Location

<<Java Class>>
MemberManager
de.meets.asset_manager
- MemberManager(DatabaseConnector)
- add(Member):int
- checkUsername(String):boolean
- checkEMail(String):boolean
- checkLogin(String,String):Member
- get(int):Member

-memberManager 0..1

<<Java Class>>
CategoryManager
de.meets.asset_manager
- CategoryManager(DatabaseConnector)
- get(int):Category

-categoryManager 0..1

<<Java Class>>
LocationManager
de.meets.asset_manager
- LocationManager(DatabaseConnector)
- get(int):Location
- get(String):Location

-locationManager 0..1

<<Java Class>>
MeetingManager
de.meets.asset_manager
- MeetingManager(DatabaseConnector)
- get(int):Meeting

-meetingManager 0..1

deployment

Gliederung
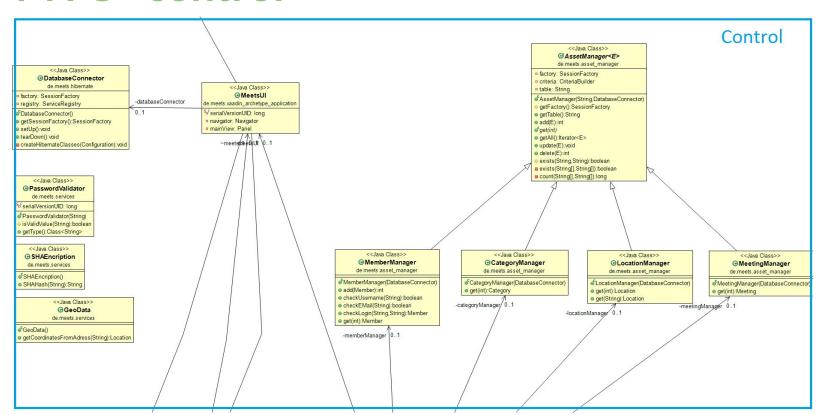
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Danke für eure Aufmerksamkeit!