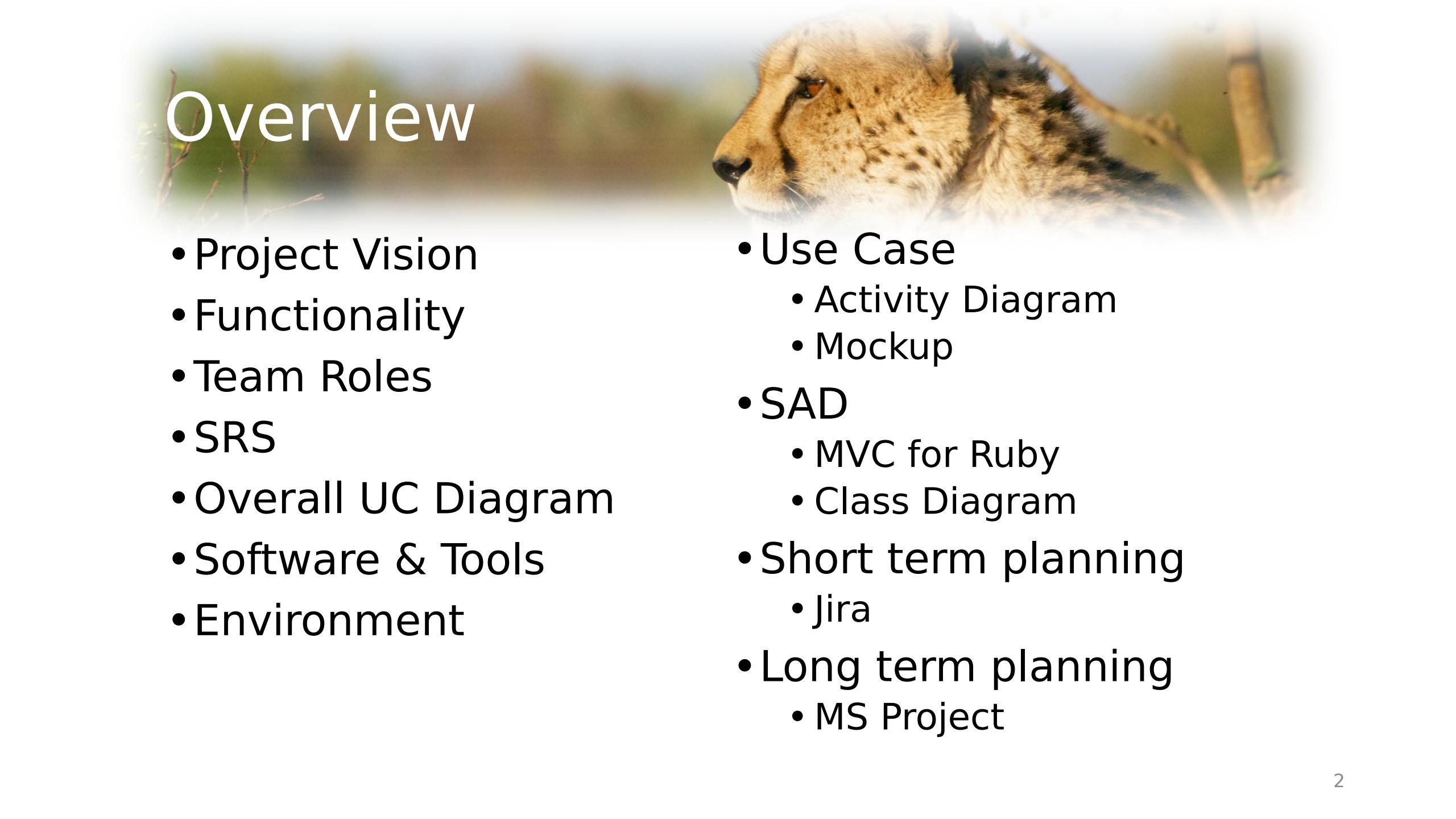




Cheetah

Damian Pistorius, Lior Olszewski, Sara
Olszewski

Overview

- 
- Project Vision
 - Functionality
 - Team Roles
 - SRS
 - Overall UC Diagram
 - Software & Tools
 - Environment
 - Use Case
 - Activity Diagram
 - Mockup
 - SAD
 - MVC for Ruby
 - Class Diagram
 - Short term planning
 - Jira
 - Long term planning
 - MS Project

Project Vision

- Webapplication to improve learning
- Students should be able to upload and write test from their memories or any other source, so that the following students can learn from those tests
- Tests are categorized by university, course and lecturer
- Project Cheetah => Cheater

Functionality

- User Login
- Ability for users to add universities, courses and lecturers
- Upload and view of pictures and PDFs
- Create text files directly in the application
- Paint function
- Search function
- Comment function
- Report of abuse function
- Camera integration for smartphones

Team Roles

- Project Manager - Sara
- Tool Specialist - Damian, Sara
- Implementer - Damian
- Tester/Test Designer - Lior
- Designer - Damian, Lior and Sara

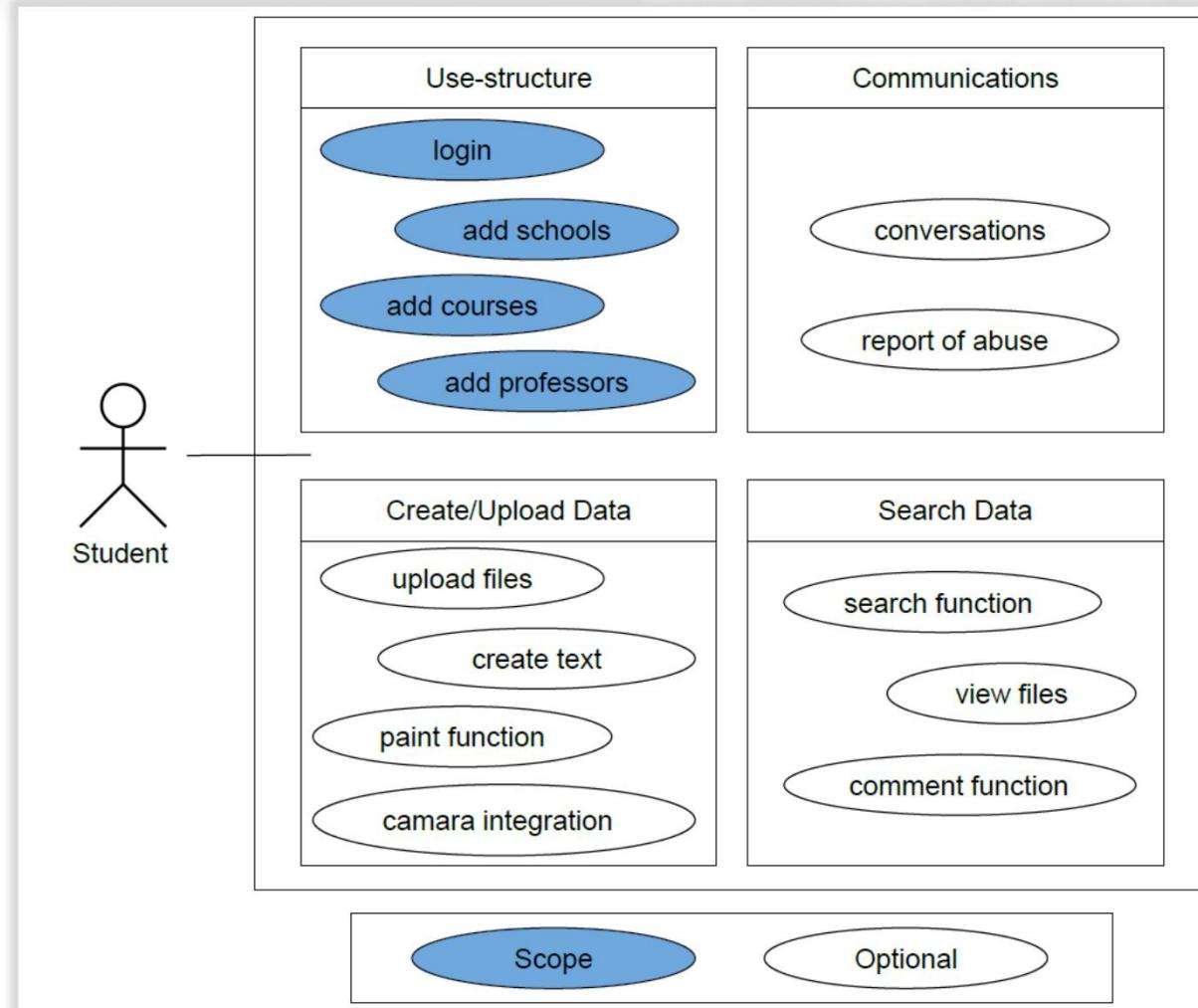


Software Requirement Specification

- The first specification for the project
 - what the project should include
 - get better view what the client wants/needs
 - show the client what we understood
 - our scope

Software Requirement Specification

Overall Use Case Diagram





Software & tools

- Ruby with the Ruby on Rails Framework
- Rubymine as IDE
- MySQL Database
- Github as Version Control
- Jira - Sprints
- MS Project - Long term planning
- MS Visio

Environment

- Front End
 - Webbrowser
- Back End
 - Ruby on Rails
 - MySQL Database
- For now all installed in a Virtual Machine



Use Cases

- Activity Diagram with MS Visio
 - easy to use
 - has the right shapes for activity diagram
 - offline usage possible
 - support
- Mock up with Balsamiq
 - easy to use, automated saving
 - offline usage possible
 - support
- Feature Files with Cucumber
 - installation worked
 - Problem with the selenium
 - until now unable to solve

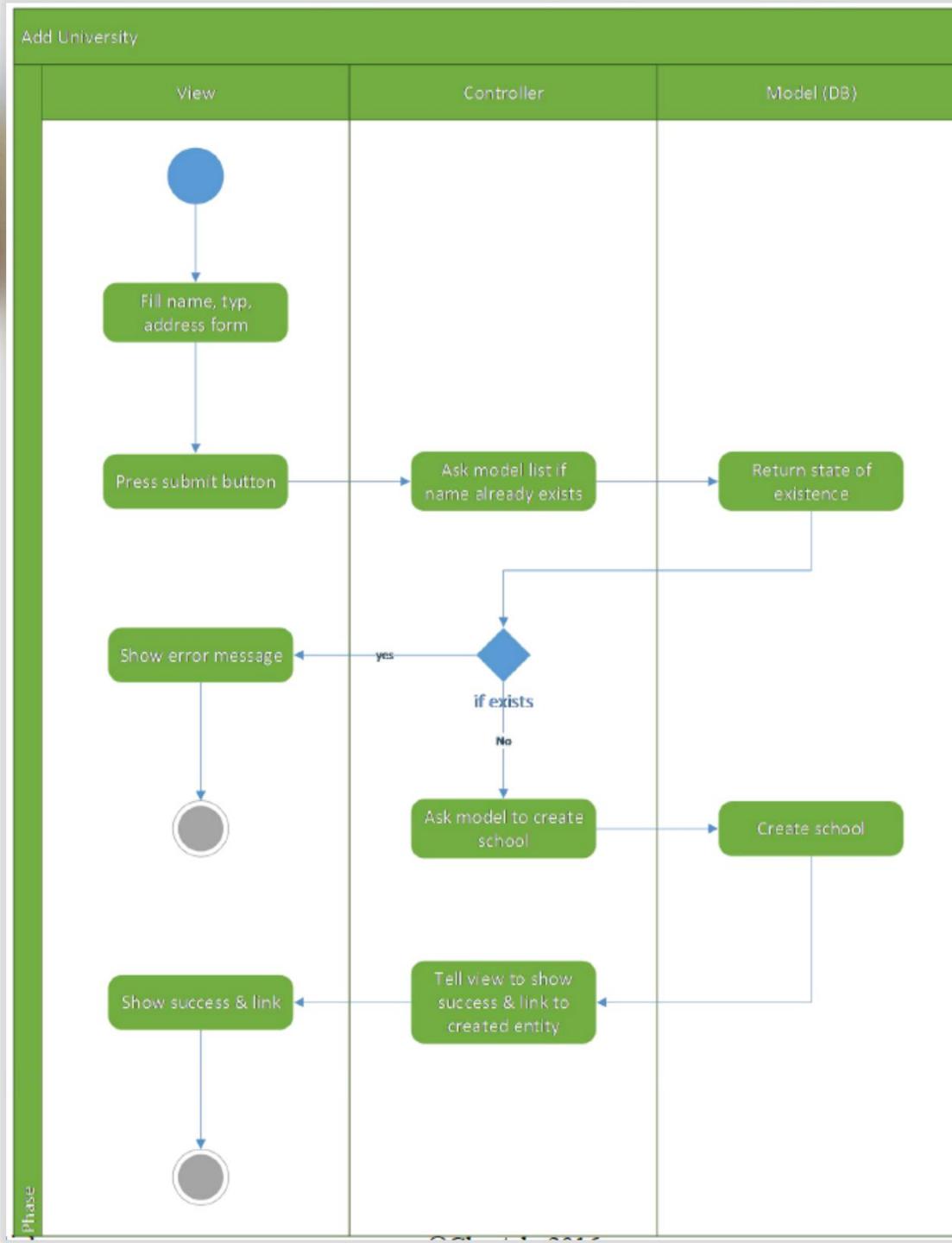


Use Cases

- Activity Diagram
 - To show the client how the process works in a visual way
 - To help us program the process in the right way
- Mock up
 - So the client can see a visualization of the endproduct and give us feedback
 - To let us know how to design the frontend of the application
- Automation Test with feature files
 - To make sure the use cases work in the right way

Use Cases

- Add University
 - Activity Diagram



Use Cases

- Mock up

Project Cheetah
http://

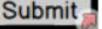
Add University

Name

Typ

Street No

ZIP City

Submit 

Project Cheetah
http://

Add University

Error
Institution already exists, please search for it
in the universitieslist.

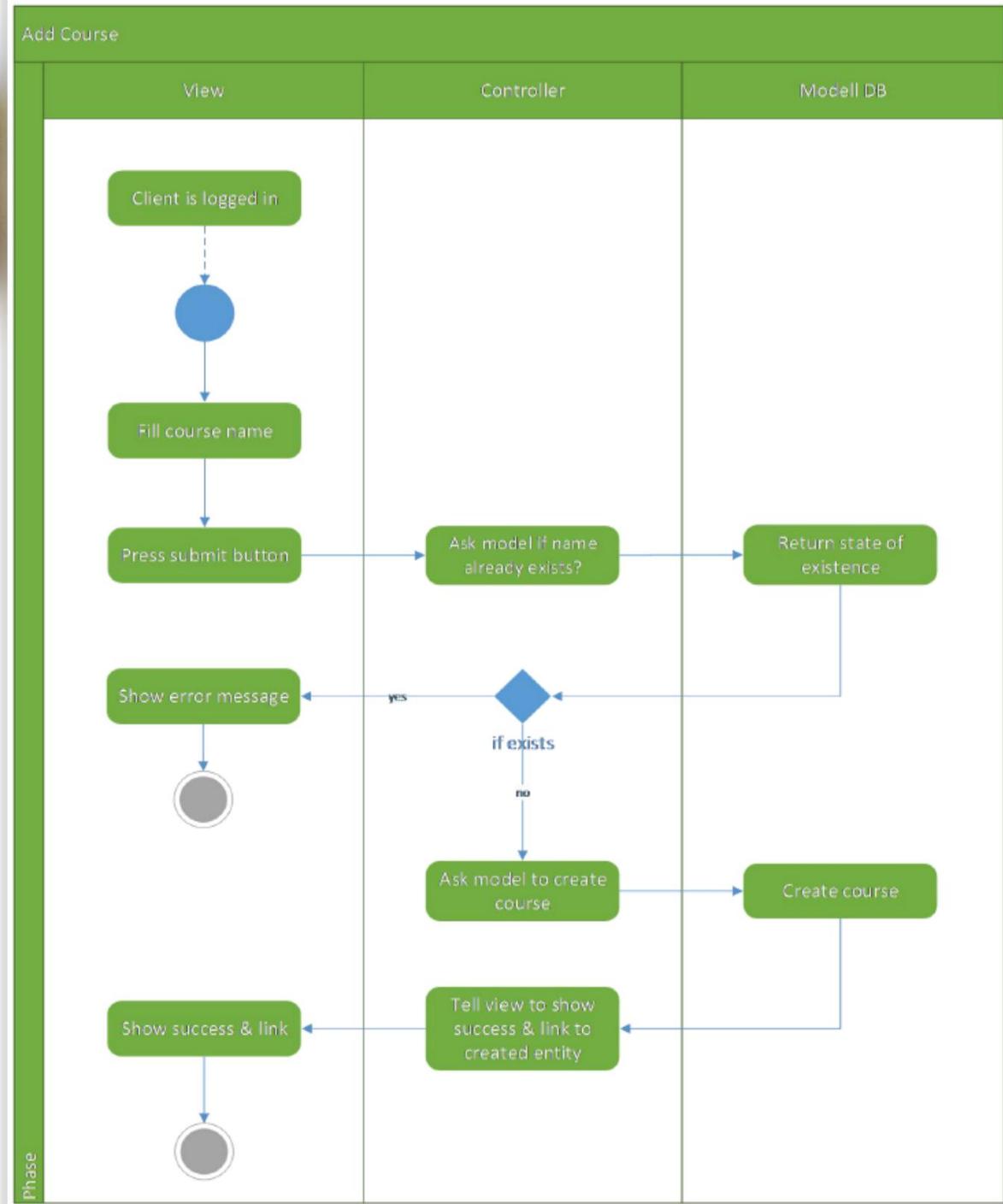
Project Cheetah
http://

Add University

Institution has been created successfully!
Added entity:
[DHBW Karlsruhe](#)

Use Cases

- Add Course
 - Activity Diagram



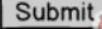
Use Cases

- Mock up

Project Cheetah

Add Course

Name

Submit 

Project Cheetah

Add Course

Error
Course already exists, please search for it in the courselist.

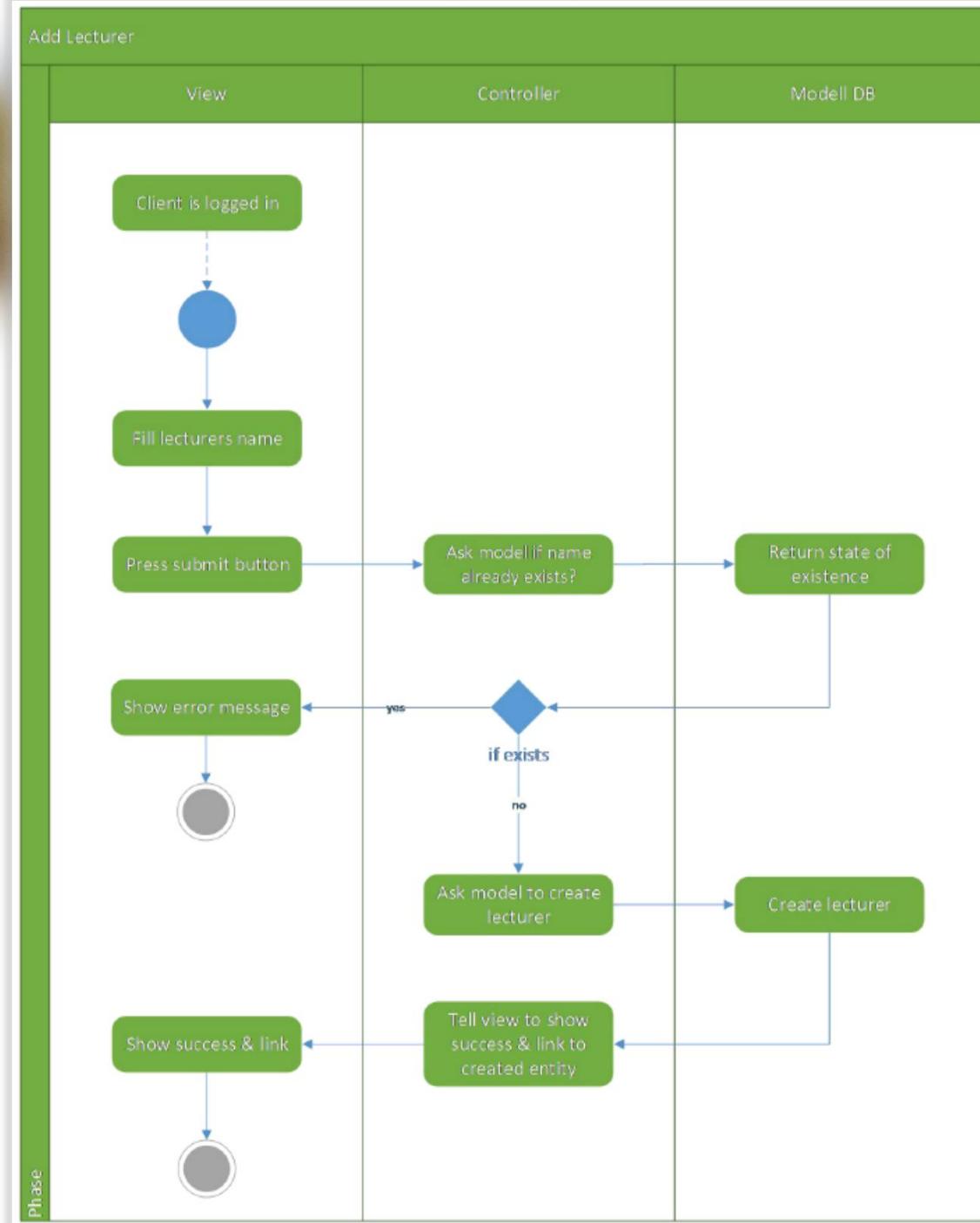
Project Cheetah

Add Course

Course has been created successfully!
Added entity:
[Compilerbau](#)

Use Cases

- Add Lecturer
 - Activity Diagram



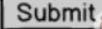
Use Cases

- Mock up

Project Cheetah

Add Lecturer

Name

Submit 

Project Cheetah

Add Lecturer

Error
Professor already exists, please search for it in the professorlist.

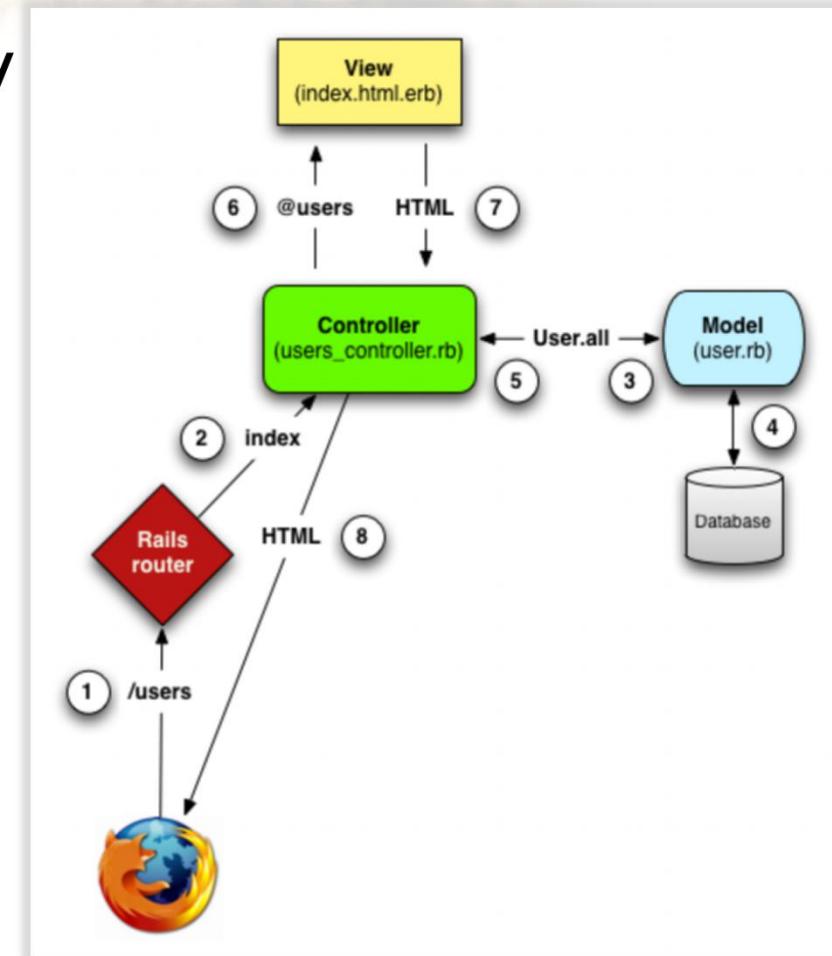
Project Cheetah

Add Lecturer

Professor has been created successfully!
Added entity:
Vollmer

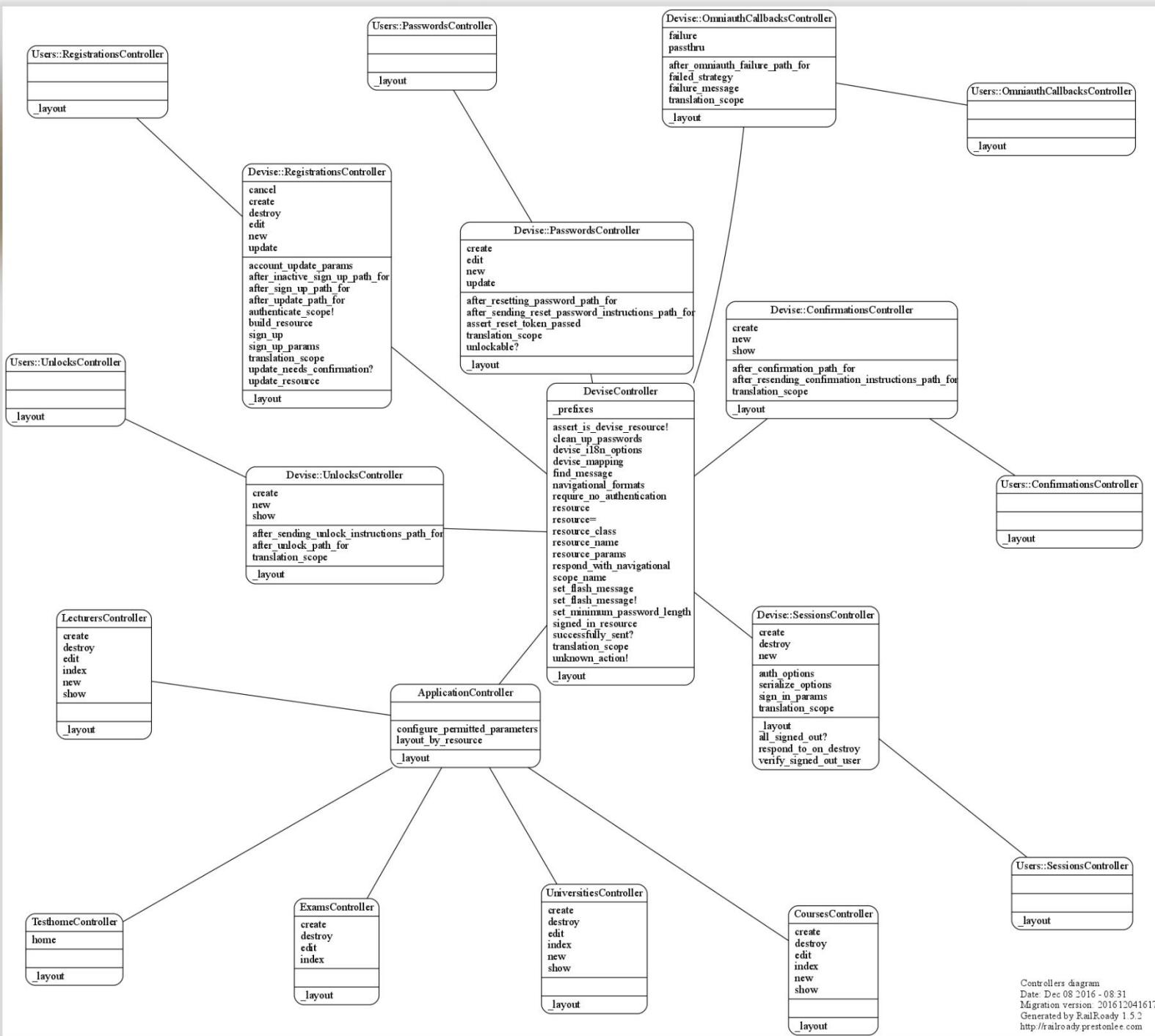
SAD

- MVC (Model-view-controller) for Ruby
 - software design pattern
 - divides a software application into 3 interconnected parts, so as to separate internal representations of information from the ways that information is presented to or accepted from the user.



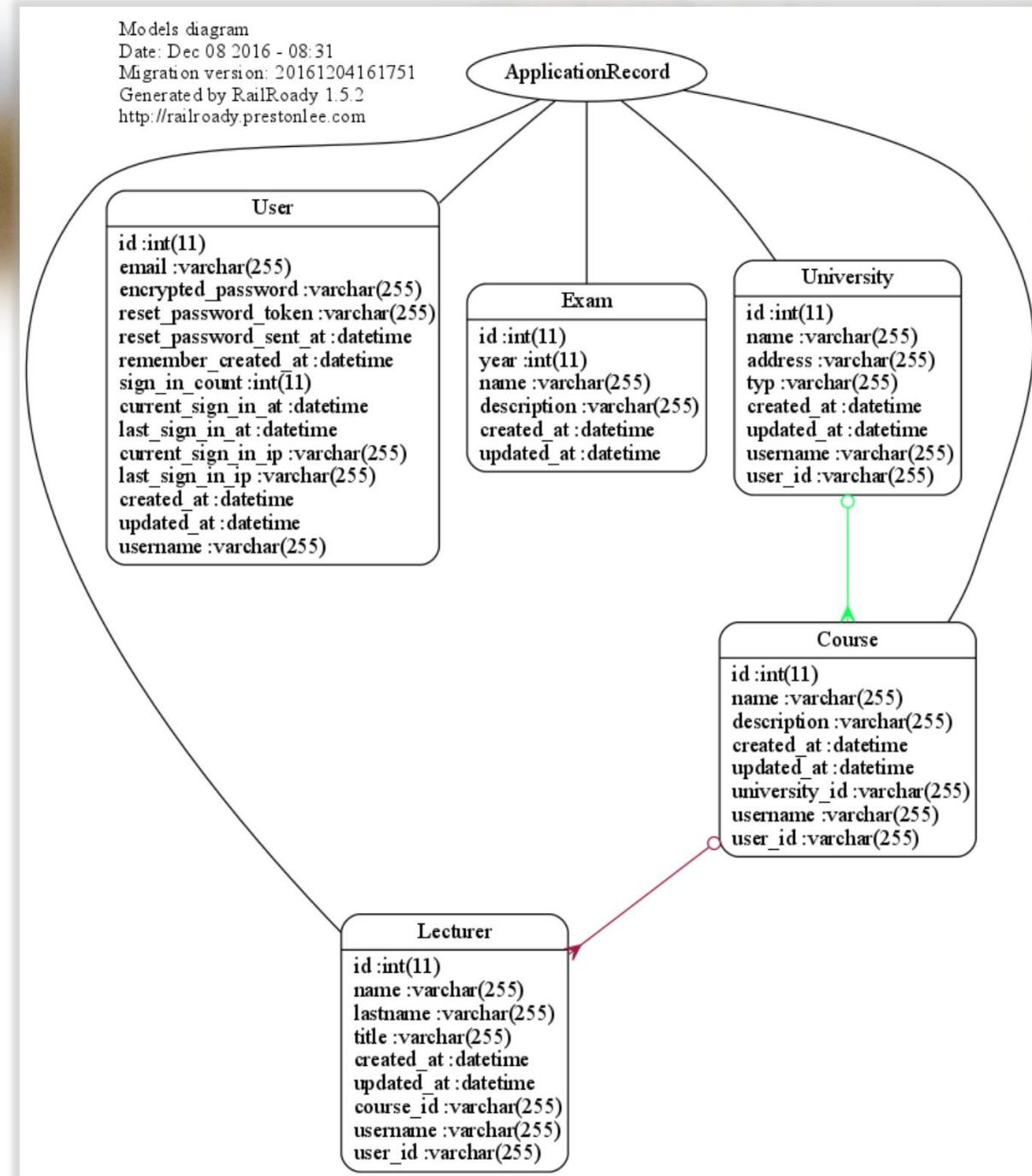
Class Diagram

- Controller/View



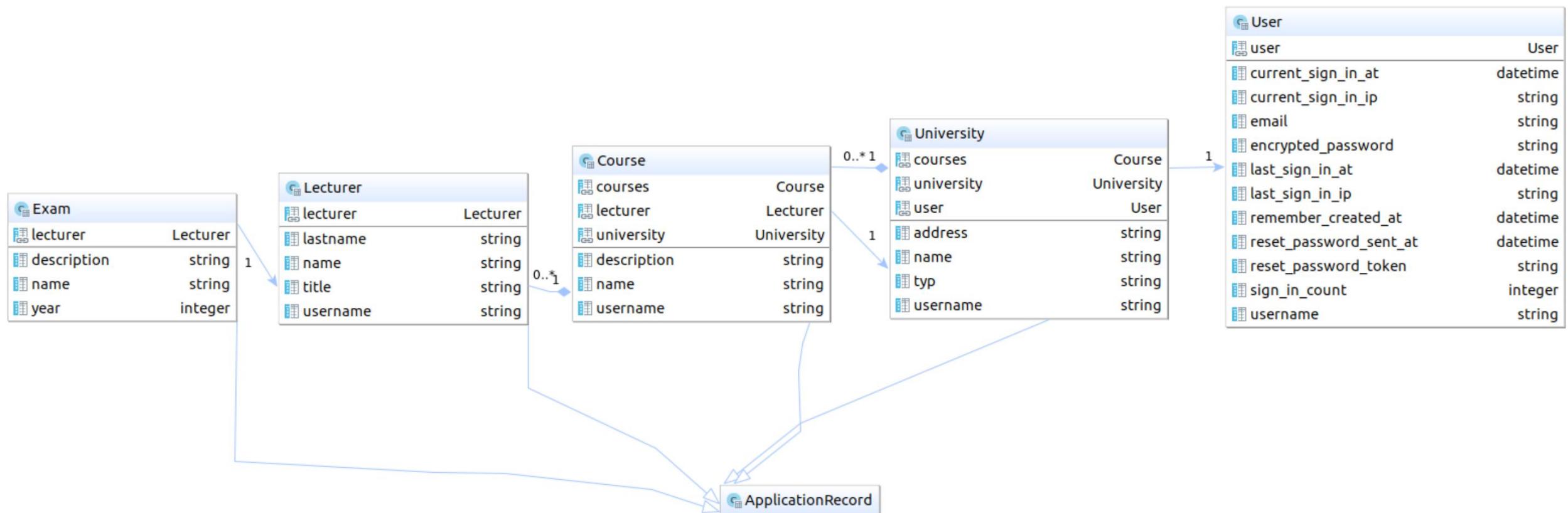
Class Diagram

- Modell



Class Diagram

- Modell



Class Diagram

DB-Schema





Jira - Short term planning

- Agile methodology
 - Agile: It advocates adaptive planning, evolutionary development, early delivery, and continuous improvement, and it encourages rapid and flexible response to change.
- Jira - Scrum Board
 - Scrum: flexible, holistic product development strategy where a development team works as a unit to reach a common goal.
=> Clients can change their minds of what they need and want
- Burndown Diagram
 - To see the work process (time countdown for sprints)

SCHNELL-FILTER: Nur meine Vorgänge

Zuletzt aktualisiert

Aufgaben

In Arbeit

Fertig

 CHEET-34

↑ Preparing for Presentation

Requirements

 CHEET-15

↑ Implementation Add Course

Implementation

0m

 CHEET-32

↑ Upgrade design

Analysis & Design

1h

 CHEET-33

↑ Finishing Environment for midterm

Environment

0m

 CHEET-18

↑ Implementation Add Lecturer

Implementation

0m

 CHEET-35

↑ Testing for Demo

Test

0m

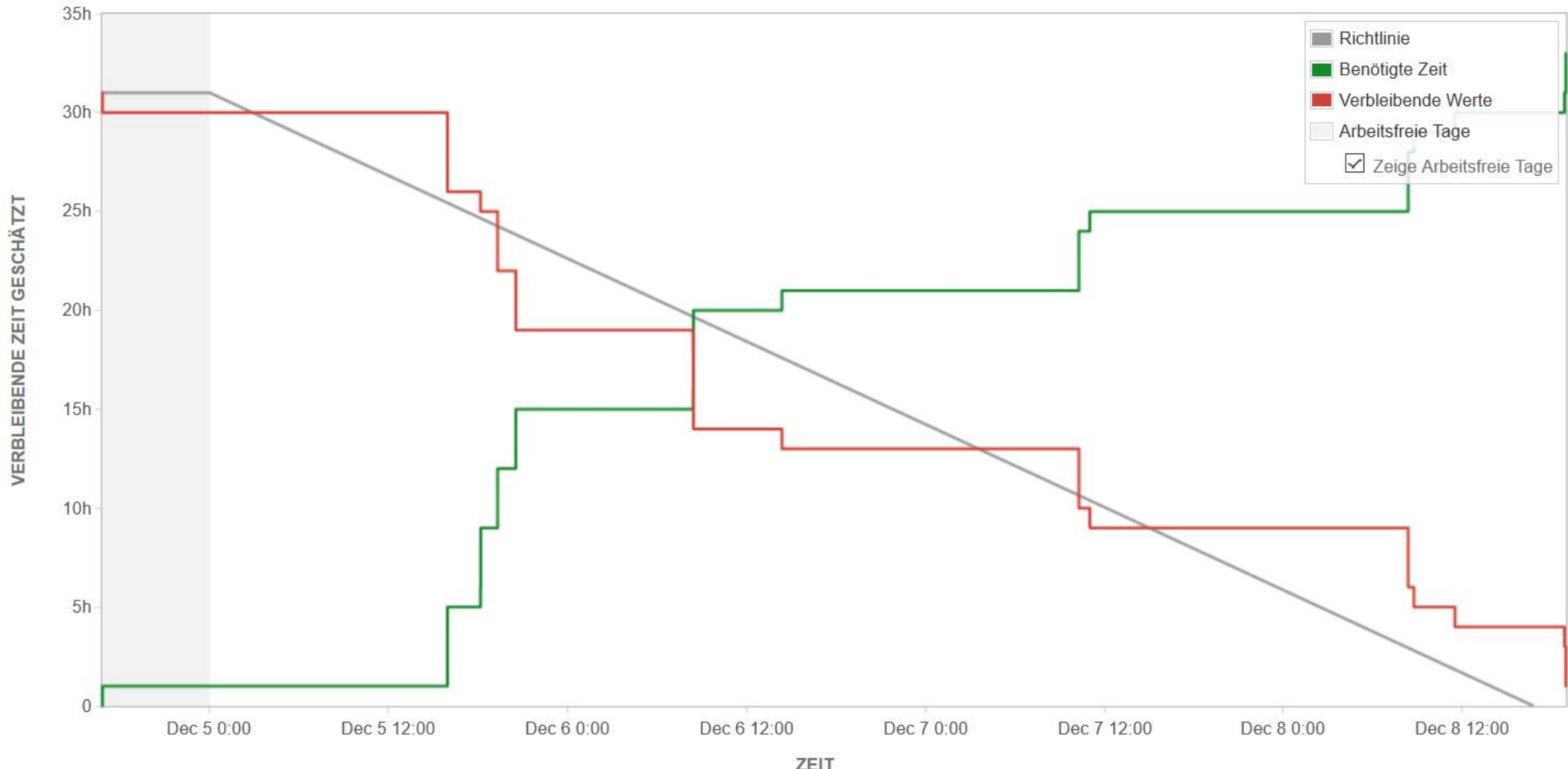
 CHEET-11

↑ Implementation Add University

Implementation

24

0m





Long term planning

- Why MS Project?
 - Long term planning tool
 - many diagrams to calculate ressources, costs and time
 - easy integration with other MS Products
 - support and reliability
 - offline usage possible
 - to create the Gantt Chart

