sapaca Face Recognition

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sapaca - Face Recognition

Agenda

- Vision
- Teamrollen
- Funktionen (Use Cases)
- Gantt-Chart
- JIRA
- Architektur
- Tests
- Demo
- Ausblick

1. Allgemeines

asd

https://www.youtube.com/watch?v=IA5pjOxR4kw

2. Technische Infrastruktur

3. Allgemeines

Vision, Rollen



VISION

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\$ - D

- Applikation die Face Detection und Face Recognition realisiert
- Applikation soll über eine Webseite erreichbar sein
- Speichern und Auswerten von Daten

ROLLEN

sapaca - Face Recognition Rollen



Pascal Treptow

- Software Architekt
- Designer
- Test Manager
- Implementierer



Sascha Kühne

- Software Architekt
- Test Manager
- Implementierer
- Konfigurationsmanager



Carolina Mehret

- Projektmanager
- System Analyst
- Implementierer

EUNKTONEN

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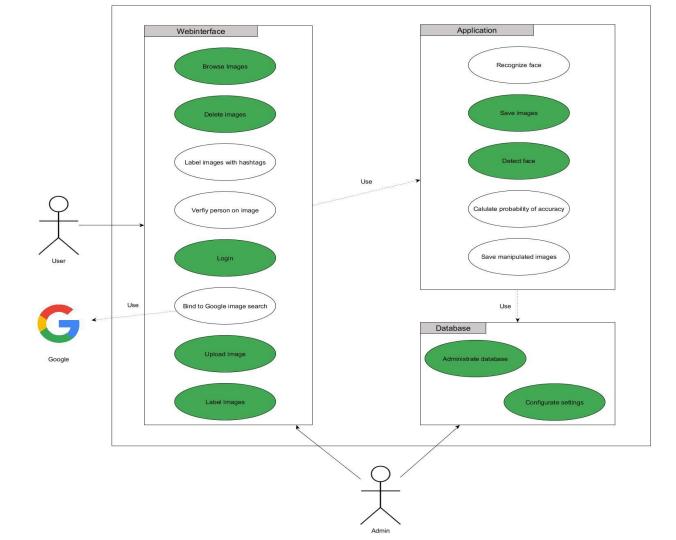
SRS - Funktionen

- Upload Image
- Detect Face
- Label detected Face
- Lösche Image
- Administration und Konfiguration der Datenbank

sapaca - Face Recognition SRS - Funktionen Ausblick

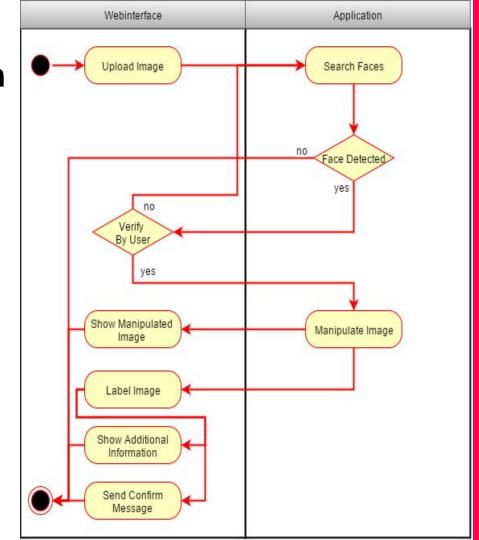
- Face Detection für Video Source
- Recognize Face
- Google Anbindung
- Auswertung von Daten

USE CASES



sapaca - Face Recognition Detect Face

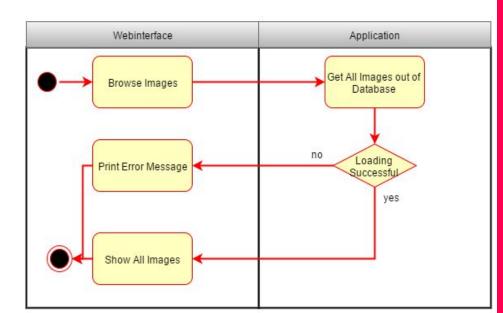
 Applikation erkennt Gesichter von einem hochgeladenem Bild



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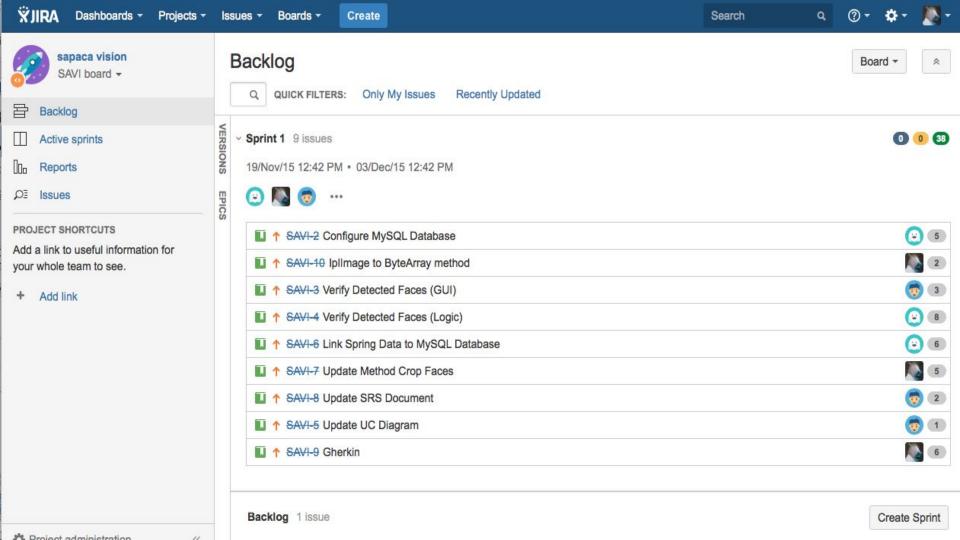
Browse Image

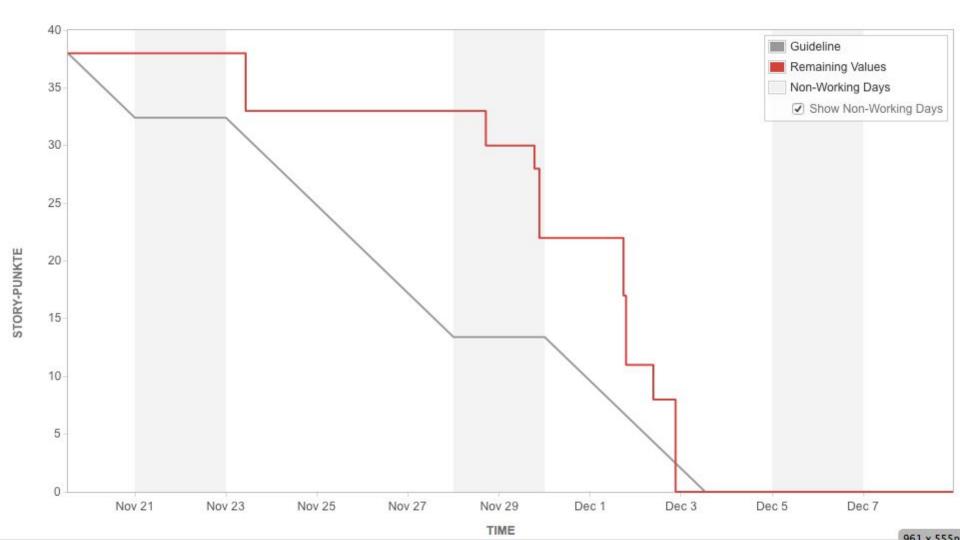
Alle erkannten
 Gesichter sollen
 angezeigt werden



SCRUM

sapaca - Face Recognition Scrum



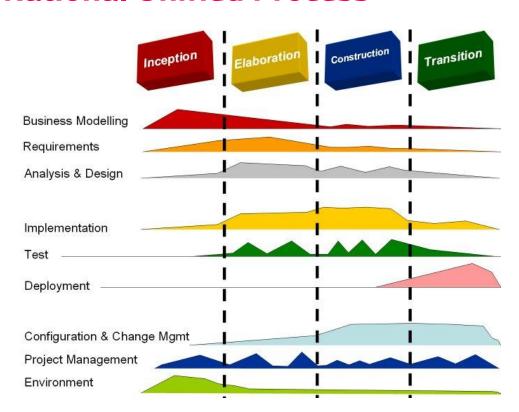


RUP

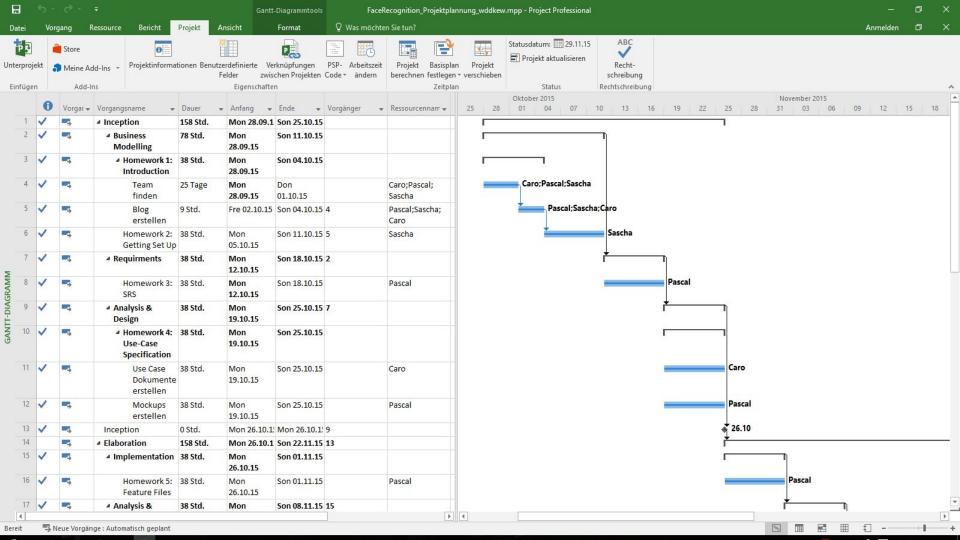
Rational Unified Process

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RUP - Rational Unified Process



sapaca - Face Recognition Gantt-Chart



TECHNOLOGIEN

sapaca - Face Recognition System Overview

sapaca - Face Recognition Technologien

• **IDE:** Eclipse

Sprachen: Java/C++

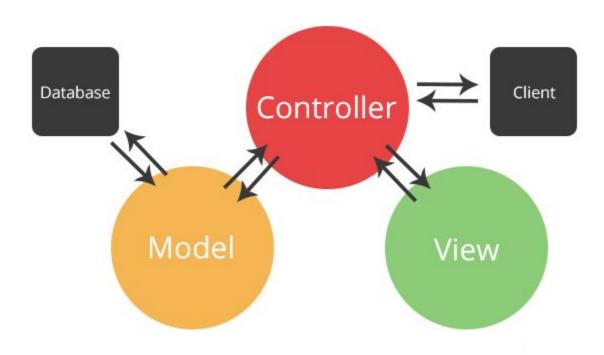
Libraries: OpenCV

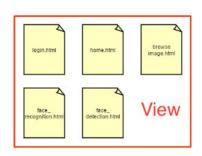
Datenbank: MySQL

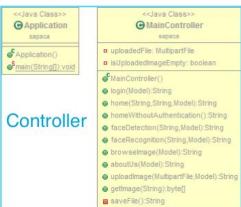
- Version Control: GitHub
- KEINE AHNUNG WAS SPRING IST?! Spring MVC/Framework lalala

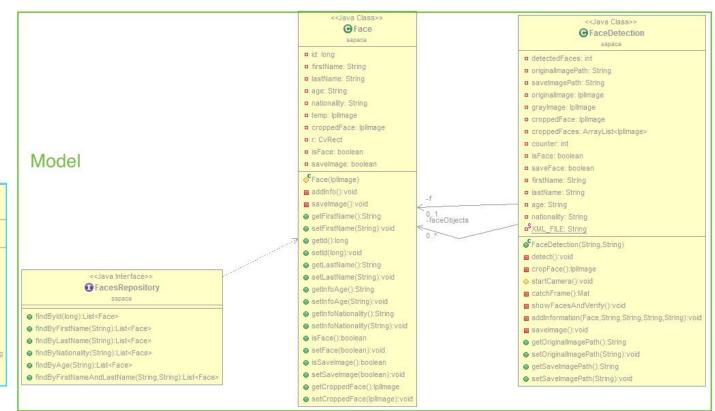
CLASS DIAGRAM

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TESTS

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Tests

- Funktionale Tests wurde mit cucumber realisiert
- Automatisiertes Testen der Webanwendung wurde mit Selenium realisiert



sapaca - Face Recognition Feature File

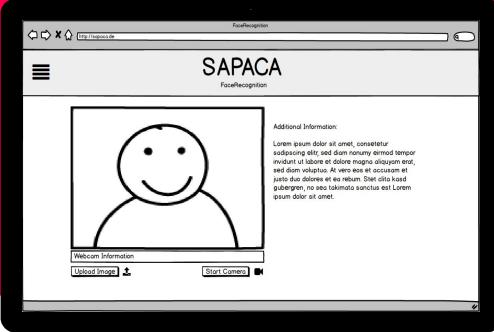
```
@ Feature: Upload Image
Background: User is logged in
Scenario: Successful upload of an Image and FaceDetection
     Given I am logged in
     When I navigate to page "Face Detection"
     And I press the "Upload Image" Button
     And I select an Image with size "3" MB
     And I press the "Submit" Button
     Then I see the uploaded Image with detected Faces
Scenario: Not Successful upload of an Image
     Given I am logged in
     When I navigate to page "Face Detection"
     And I press the "Upload Image" Button
     And I select an Image with size "6" MB
     And I press the "Submit" Button
     Then I see an error message
```

sapaca - Face Recognition Feature File

```
Scenario: Not Successful upload of an Image # /Users/caro/Documents/P/Studium/DH/3.Ser
Given I am logged in # Test_Steps.i_am_logged_in()
When I navigate to page "Face Detection" # Test_Steps.i_navigate_to_page(String)
And I press the "Upload Image" Button # Test_Steps.i_press_the_button(String)
And I select an Image with size "3" MB # Test_Steps.i_select_an_image(int)
And I press the "Submit" Button # Test_Steps.i_press_the_button(String)
Then I see the uploaded Image with detected Faces # Test_Steps.i_sse_uploaded_image()
```

2 Scenarios (2 passed) 12 Steps (12 passed) 0m27.160s sapaca Face Recognition

Demo



Face Detection Face Recognition Anbindung Google

Face Detection Face Recognition Anbindung Google

Face Detection Face Recognition Anbindung Google





Dankel

Gibt es noch offene Fragen?

https://sapacablog.wordpress.com