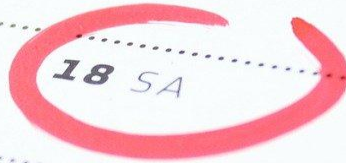# PlanIt

Midterm Präsentation, 15.12.21
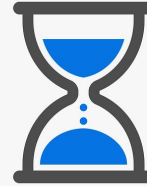
PlanIt

Überblick

1. Vision
2. Projekt Methodik
3. Technologien
4. Architektur
5. Tests
6. Demo
7. Evaluation
8. Fragen

PlanIt

- Werkzeug für Schüler und Studenten zur Prüfungsvorbereitung
- Kalender mit erstellbaren Terminen
- Benutzer kann Termine auch löschen oder updaten
- Klausur als spezieller Termin
- Möglichkeit der Lernzeiten-Bestimmung durch PlanIt
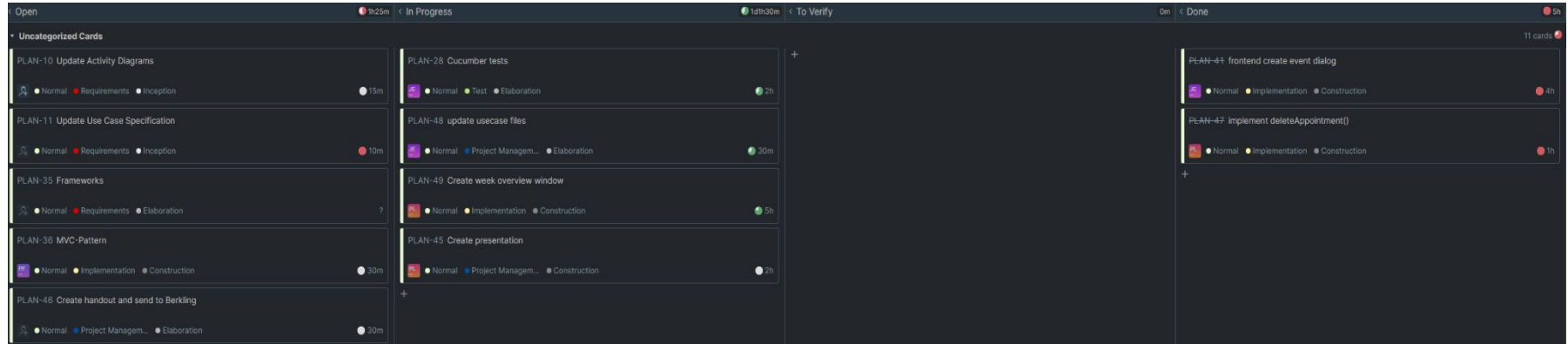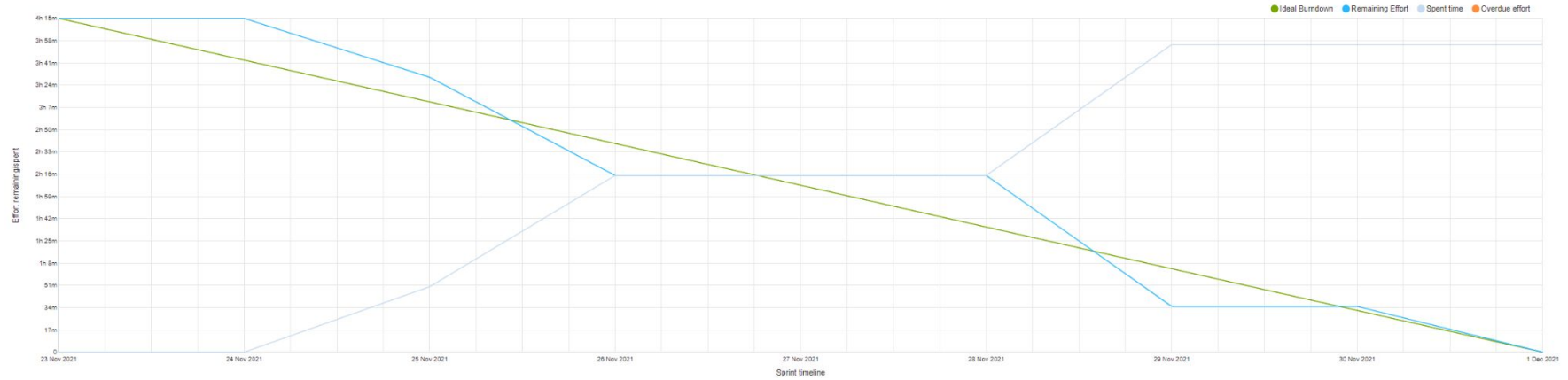- dieses Semester: Kalender Funktion

Projekt Methodik

- Warum Scrum?
  - neue Aufgaben jede Woche
  - gleiche Aufgaben jede Woche
  - kontinuierliche Erweiterung des Programms

PlanIt

Burndown for Sprint Week 8

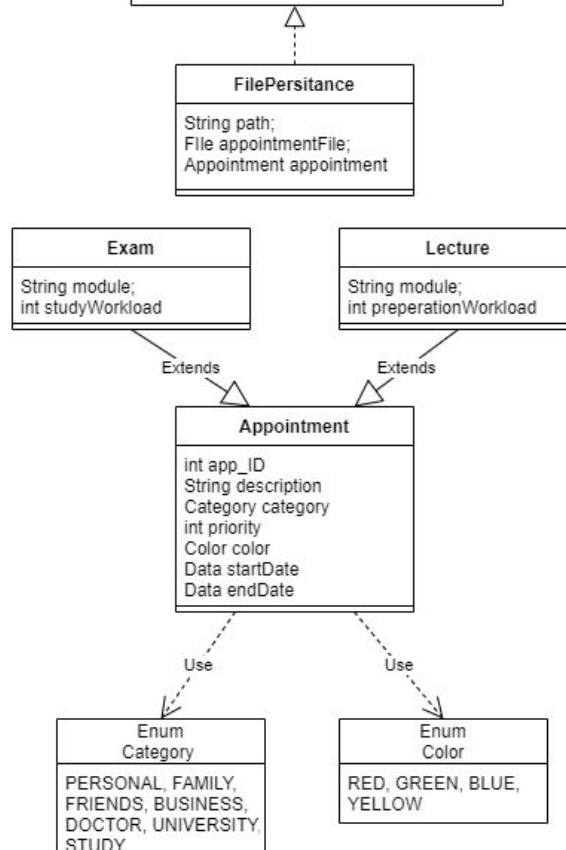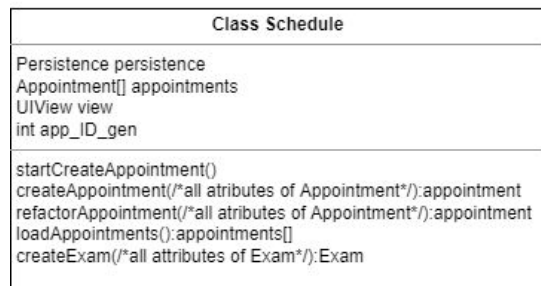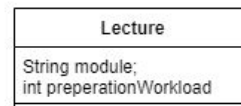Issue filter: Board Scrumboard: (Sprint Week 8) and (Type:~(User Story))

Legend: ● Ideal Burndown ● Remaining Effort ● Spent time ● Overdue effort

Y-axis (Effort remaining/spent): 4h 15m, 3h 58m, 3h 41m, 3h 24m, 3h 7m, 2h 50m, 2h 33m, 2h 16m, 1h 59m, 1h 42m, 1h 25m, 1h 8m, 51m, 34m, 17m, 0

X-axis (Sprint timeline): 23 Nov 2021, 24 Nov 2021, 25 Nov 2021, 26 Nov 2021, 27 Nov 2021, 28 Nov 2021, 29 Nov 2021, 30 Nov 2021, 1 Dec 2021

Open	1h25m	‹ In Progress	1d1h30m	‹ To Verify	0m	‹ Done	5h

▾ Uncategorized Cards — 11 cards

PLAN-10 Update Activity Diagrams
● Normal ● Requirements ● Inception — 15m

PLAN-11 Update Use Case Specification
● Normal ● Requirements ● Inception — 10m

PLAN-35 Frameworks
● Normal ● Requirements ● Elaboration — ?

PLAN-36 MVC-Pattern
● Normal ● Implementation ● Construction — 30m

PLAN-46 Create handout and send to Berkling
● Normal ● Project Managem... ● Elaboration — 30m

PLAN-28 Cucumber tests
● Normal ● Test ● Elaboration — 2h

PLAN-48 update usecase files
● Normal ● Project Managem... ● Elaboration — 30m

PLAN-49 Create week overview window
● Normal ● Implementation ● Construction — 5h

PLAN-45 Create presentation
● Normal ● Project Managem... ● Construction — 2h

PLAN-41 frontend create event dialog
● Normal ● Implementation ● Construction — 4h

PLAN-47 Implement deleteAppointment()
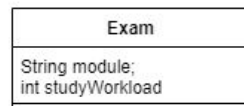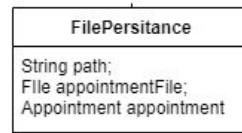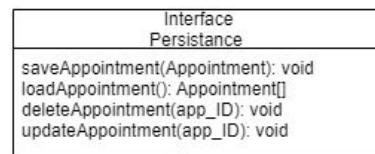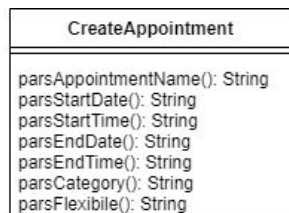● Normal ● Implementation ● Construction — 1h

- Umfang für dieses Semester:
  - Termin erstellen
  - Kategorie setzen
  - Termin löschen
  - Termine in Kalender-Übersicht anzeigen

Technologien

Architektur

CreateAppointment

parsAppointmentName(): String
parsStartDate(): String
parsStartTime(): String
parsEndDate(): String
parsEndTime(): String
parsCategory(): String
parsFlexibile(): String

Interface
Persistance

saveAppointment(Appointment): void
loadAppointment(): Appointment[]
deleteAppointment(app_ID): void
updateAppointment(app_ID): void

FilePersitance

String path;
FIle appointmentFile;
Appointment appointment

Exam

String module;
int studyWorkload

Lecture

String module;
int preperationWorkload

Extends

Extends

Class Schedule

Persistence persistence
Appointment[] appointments
UIView view
int app_ID_gen

startCreateAppointment()
createAppointment(/*all atributes of Appointment*/):appointment
refactorAppointment(/*all atributes of Appointment*/):appointment
loadAppointments():appointments[]
createExam(/*all attributes of Exam*/):Exam

Appointment

int app_ID
String description
Category category
int priority
Color color
Data startDate
Data endDate

Use

Use

Enum
Category

PERSONAL, FAMILY,
FRIENDS, BUSINESS,
DOCTOR, UNIVERSITY,
STUDY

Enum
Color

RED, GREEN, BLUE,
YELLOW

Left panel (feature files):

```gherkin
1  Feature: Starting PlanIt
2
3      As a User
4      I want to see an overview of my schedule when starting the application.
5
6      Scenario: Saved appointments in storage
7          Given I have saved appointments in local storage
8          When I start the application
9          Then I see a calender view with my saved appointments
10
11     Scenario: No appointments in local storage
12         Given I have no saved appointments in local storage
13         When I start the application
14         Then I see a calendar view without appointments
15
```

```gherkin
1  Feature: Save new appointment
2
3      As a User
4      I want to save my created appointment.
5
6      Background:
7          Given I started the application
8          And I see the event-creation window
9
10     Scenario: All fields correct
11         When I fill out all fields correctly
12         And I press the save-button
13         Then the event will be saved in my local storage
14         And I am able to see the new created event in my calendar view
15
16     Scenario: Field is missing
17         When I fill miss to fill out all fields
18         And I press the save-button
19         Then I will get an error-message that a field is missing
20         And I will see the event-creation window
21
22     Scenario: Field  is incorrect
23         When I fill out field x incorrectly
24         And I press the save-button
25         Then I will get an error-message that a field is incorrect
26         And I will see the event-creation window
```

Middle panel:

```java
11  public class usecase1 {
12
13  @Given("^I have saved appointments in storage$")
14      public boolean checkIfsavedAppointmentsInStorage() {
15          return true;
16      }
17
18  @When("^I start PlanIt$")
19      public boolean startPlanIt() {
20          return true;
21      }
22
23  @Then("^I see a calendar view with my saved appointments$")
24      public void calendarView() {
25          System.out.println("Test 1 Pass");
26      }
27
28  @Given("^I have no saved appointments in storage$")
29      public boolean checkIfNosavedAppointmentsInStorage() {
30          return true;
31      }
32
33  @When("^I start PlanIt$")
34      public boolean startPlanItWithoutAppointments() {
35          return true;
36      }
37
38  @Then("^I see a calendar view without any saved appointments$")
39      public void emptyCalendarView() {
40          System.out.println("Test 1 Pass");
41      }
```

Right panel:

```javascript
1  package test.java.de.dhbw.planit;
2
3  public class usecase1old {
4
5  Given(/^I have saved appointments in local storage$/, () => {
6      return true;
7  });
8
9  When(/^I start the application$/, () => {
10     return true;
11 });
12
13 Then(/^I see a calender view with my saved appointments$/, () => {
14     return true;
15 });
16
17 Given(/^I have no saved appointments in local storage$/, () => {
18     return true;
19 });
20
21 When(/^I start the application$/, () => {
22     return true;
23 });
24
25 Then(/^I see a calendar view without appointments$/, () => {
26     return true;
27 });
28
29 }
30
```

Live Demo

Evaluation

Stärken	Schwächen
Arbeitsteilung	zu spät mit Coden begonnen
faire Auslastung	Aufgaben immer recht spät bearbeitet
stetige Hilfsbereitschaft	SRS und UCS stets updaten
	YouTrack aktiver nutzen
	zu wenig Technologien