# Interactive Schedule Planer

## 3rd Milestone
## August 28th 2024

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# 1. Overview / Recap

- Task definition: Our project is to create a „Web-Based Interactive Schedule Planner for Lectures and Exams".

- Topic: „Each semester the appointments for lectures, exercise classes and exams need to be planned." „Therefore, a graphical tool is needed that visualizes the current schedule, allows to change it by dragging events to a new place and highlights possible conflicts."

- Team: Seyyed Mostafa Rahimi, Alexander Harry, Michael Gilge

- Distribution of roles stayed the same.

# 2. Previous Requirements

**Goal: Near to complete functionality of storage & retrieval and organizing events**

**Milestone 3a)**
– Upload initial schedule (in progress)
– Create modules √
– Define Lecture and Exam Periods √
– Assign colors (todo)

**Milestone 3b)**
– Auto save calendar (todo)
– Record changes & undo changes √
– Go to date √
– Filter √

# 3. Extra Features

**Goal: Near to complete functionality of storage & retrieval and organizing events**

**Milestone 3a)**
— Upload initial schedule (in progress)
— Create modules √
— Define Lecture and Exam Periods √
— Assign colors (todo)

**Milestone 3b)**
— Auto save calendar (todo)
— Record changes & undo changes √
— Go to date √
— Filter √

**Extra**
— Settings sidebar √
— Manage groupings (with CRUD) √
  – Semesters
  – Periods
  – Studyplans
  – Modules
  – Lecturers
  – Rooms
— Condensed Week √
— Repetitive appointments √
— Reusable Alert Dialog √

Live Demo!

# 4.1 Planned for Next Milestones

**Until Milestone 4a) - 26.9.2024**
– Convenient import & export & management of data
– Calculation of conflicts
– Highlighting conflicts

**Until Milestone 4b) - 31.10.2024**
- HTML 5 local storage – auto save calendar
- Gitlab Page as host
- Resolve todos
- Improve code & performance
- Tests

**Until Acceptance Meeting - 6.11.2024**
- Make final report from partly reports.

# 4.2 Planning – Needed Time

| Implemented for 3rd milestone | Hours | Hours |
|---|---|---|
| 3.0.0 Landing Page / Welcome View | 4 | 0,0 |
| 3.0.1 Start from Scratch | 4 | 0,0 |
| 3.0.2 Return to Welcome View | 4 | 0,0 |
| 3.3.1 Create Course | 16 | 44,7 |
| 3.1.1 Uploading File per Drag & Drop | 10 | 35,9 |
| 3.1.2 Uploading File per File Selection | 10 | 0,5 |
| 3.1.3 Uploading initial schedule | 25 | 2,2 |
| 3.3.0 Define Lecture and Exam Periods | 12 | 12,7 |
| 3.5.0 Change Mode | 16 | 0,9 |
| 3.0.1 It should be intuitive. | 10 | 0,0 |
| 3.80.1 Go To Date | 20 | 2,4 |
| 3.80.3 Filter | 40 | 8,2 |
| Sum | 171,0 | 107,4 |

# 4.2 Extra

| Extra implementations | Hours | Hours |
|---|---:|---:|
| Code improvement | 0 | 3,3 |
| Condensed Week | 0 | 16,2 |
| Create Appointment | 0 | 5,1 |
| Delete All Appointments | 0 | 0,42 |
| Edit Appointment | 0 | 16,0 |
| Grouping | 0 | 2,23 |
| Merging | 0 | 3,13 |
| Meeting | 0 | 26,9 |
| Planning | 0 | 1,6 |
| Repetitive Appointments | 0 | 13,7 |
| Semesters | 0 | 1,9 |
| Undo & Redo | 0 | 18,2 |
| 4.20.0 Lecturers | 4 | 2,1 |
| 4.20.1 Lecturers Collection | 4 | 0,0 |
| 4.10.0 Study Plans | 10 | 3,1 |
| 4.10.1 Create Study Plan | 25 | 0,0 |
| 4.10.2 Edit Study Plan | 7 | 0,0 |
| 4.10.3 Delete Study Plan | 3 | 0,0 |
| 3.222.2 Unforseen Issues | 30,0 | 0,0 |
| Sum | 83,0 | 113,9 |

# 4.2 Planning – Undone

| Undone | Hours | Hours |
|---|---:|---:|
| 3.10.1 Recording changes | 22 | 0,0 |
| 3.2.1 Downloading File | 20 | 0,0 |
| 3.2.2 Human Readable Form | 20 | 0,0 |
| 3.2.20 Saving Calendar | 16 | 0,0 |
| 3.2.21 Choosing Auto Save Folder | 10 | 0,0 |
| 3.2.22 Delete Old Auto Saved Files | 6 | 0,0 |
| 3.80.2 Select Number of Weeks | 20 | 0,0 |
| Sum | 92,0 | 0,0 |

# 4.3 Planning

- Risks not well considered
  - Risk of data volume
    - But more than 12000 appointments could be imported

- Quality: Manual testing

- Documentation: Protocols & Specification

# 5. Goals until the next milestone

**Until Milestone 4a) - 26.9.2024**

– Convenient import & export & management of data
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**Until Milestone 4b) - 31.10.2024**

• HTML 5 local storage – auto save calendar
• Gitlab Page as host
• Resolve todos
• Improve code & performance
• Tests

**Until Acceptance Meeting - 6.11.2024**

• Make final report from partly reports.