SOFTWARE REQUIREMENTS SPECIFICATIONS

HOURLY

Kushtrim Ukikj | Skopje 2022

Short description about the problems that our software inteds to fix

This software is intended for companies which want to store informations about their employees and the time that they worked (hours, days). Also the software main feature is the scheduling and displaying the schedule to employees.

For which group of users the application is intended

The mobile application is intended to be used by the employees for their schedules. A simple example which did initialize the process of making the software:

- The main problem when an employee has to know the schedule of his work is that he needs to be present on the job on the day that the employer/ manager makes the schedule for the week.That might be a case but there might be other cases when the employee is sick or when he/she is on holiday. Anyway even if he/ she is present he needs to make a photo and save the schedule on his phone. And the phone probably will be full of photos of schedules (just like a phone of a high school student)...

How do we solve the issue, simply by using our software the employer makes the schedule, the schedule will be online, the employees will see it and they will be notified whenever there are changes on the schedule.
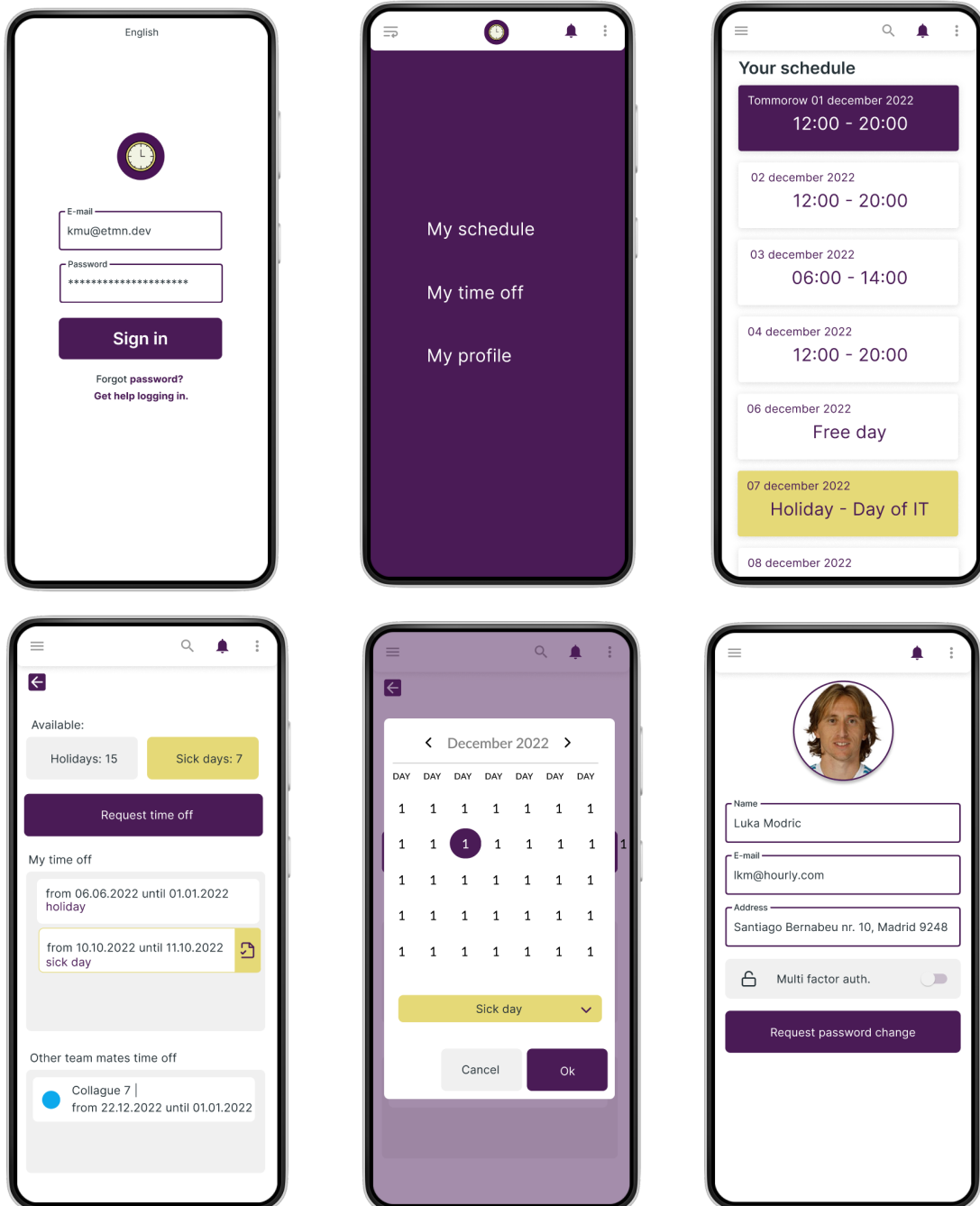
Main requirements for the mobile application

1. The users must be authenticated and authorized.
2. The users can be only with employee role and can see only employee related data
3. Every employee should see their schedule
4. The employee can request for change in the schedule:
   - Requesting to not be part of it (by providing reason)
     - The request can be approved by the department manager
     - The request can be denied by the department manager
   - Requesting to change the schedule for particular day with some other employee:
     - The request can be accepted only when the other employee will agree and the manager will accept the request
     - The request will be denied when the other employee won't agree, or the manager won't approve the request.
5. The employee can request for free day, sick day or holiday
   - The request can be approved or denied by company owner or department manager
6. For each sick day the user can provide document and attach it.
7. The users can see each other's contact information (if allowed by the company owner)
8. The user can see their stats for holidays, sick days taken and time off taken.

Mockup prototype

Attention! The mockup provided does not have all the core features and does not represent the final look of the application

Link to the mockup

English

E-mail
kmu@etmn.dev

Password
****

Sign in

Forgot **password?**
Get help logging in.

My schedule

My time off

My profile

Your schedule

Tommorow 01 december 2022
12:00 - 20:00

02 december 2022
12:00 - 20:00

03 december 2022
06:00 - 14:00

04 december 2022
12:00 - 20:00

06 december 2022
Free day

07 december 2022
Holiday - Day of IT

08 december 2022

Available:

Holidays: 15   Sick days: 7

Request time off

My time off

from 06.06.2022 until 01.01.2022
holiday

from 10.10.2022 until 11.10.2022
sick day

Other team mates time off

Collague 7
from 22.12.2022 until 01.01.2022

< December 2022 >

DAY DAY DAY DAY DAY DAY DAY

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1 1 1 1 1 1 1

1 1 1 1 1 1 1

1 1 1 1 1 1 1

1 1 1 1 1 1 1

Sick day

Cancel   Ok

Name
Luka Modric

E-mail
lkm@hourly.com

Address
Santiago Bernabeu nr. 10, Madrid 9248

Multi factor auth.

Request password change

Color palette
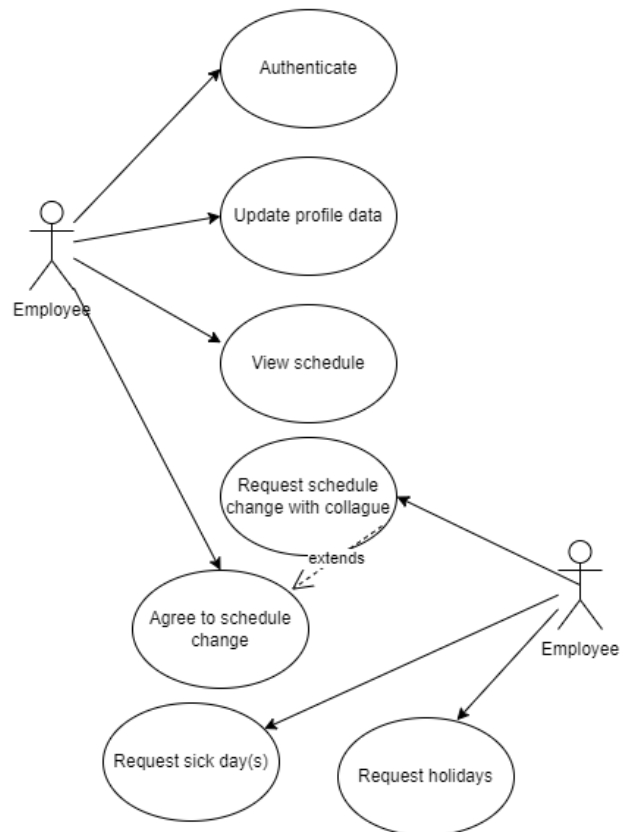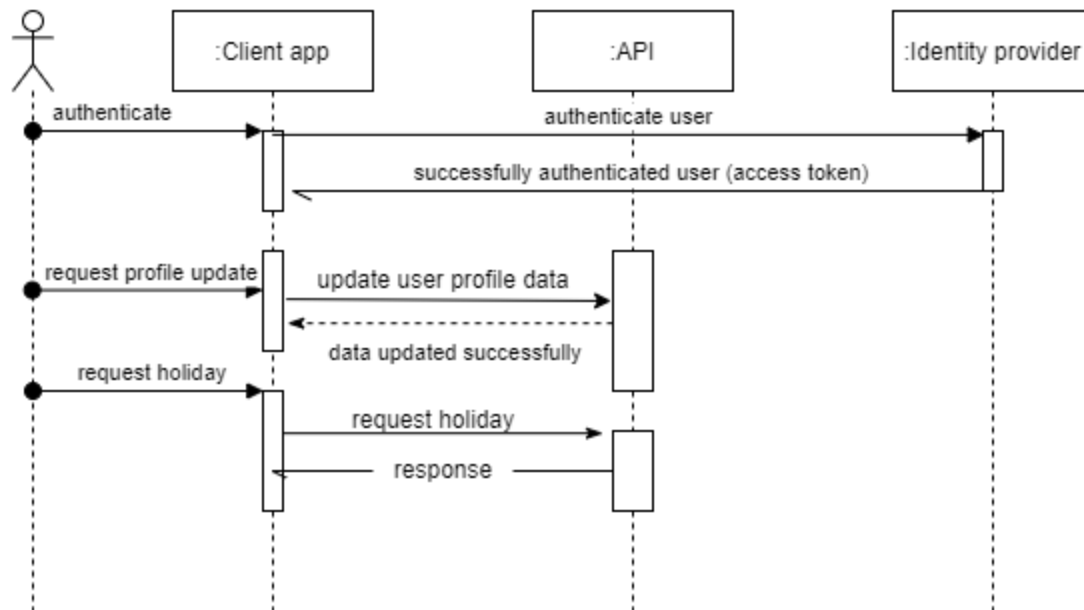

Assumptions and Dependencies

Assumptions
- Users are part of company which is boarded into the system and they (the company) have already registered the user into the system
- Users with android smartphones should have newer version than 5.x

Dependencies
- The application uses resources that are already provided by the api-s created outside the scope of development of this mobile application.

UML diagrams

Technologies

- Database   - SQL SERVER, Cosmos DB
- Message processing queue   - Azure service bus
- Push notifications from server   - SignalR
- Web services   - .NET WEB API, Azure functions
- Authentification   - Duende Identity Server 6
- Web Client   - Angular
- Mobile Client   - **Flutter**