

BIM423 – SOFTWARE ENGINEERING 2022-2023 FALL SEMESTER



Virtual Patent

Group 12

Week 5 / 30.10.2022 - 7.11.2022

Members

- 1. Uğur Dindar
- 2. Emre Kayacık
- 3. İdris Can Bölükbaşı
- 4. Oğuzhan Çetin
- 5. Umutcan Yavuz
- 6. Yunus Emre Korkmaz

Links

- GitHub Link: https://github.com/VPatient
- Website Link: https://vpatient.github.io/
- Repo Link: https://github.com/orgs/VPatient/repositories

Works Done

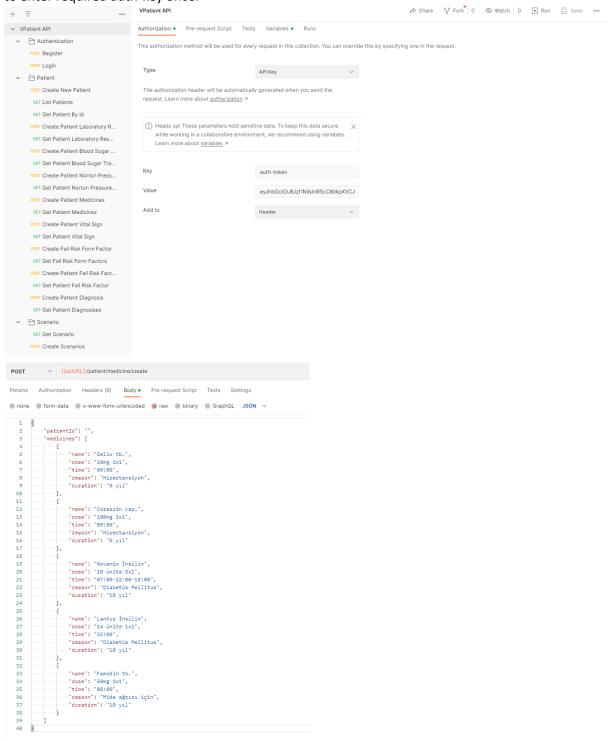
 Authentication and authorization processes have been developed. Login and register endpoints have been created and added to route. And also, a middleware developed to control if client has true token.

```
// register to the System
roomer_post(/register', sync(reg, res) >> {
    // validation
    cost { error } = registerValidation(reg,body);
    if (error) veture res_status(d00)
    .enn((error.details(e).messpe))
    // checking if email to interpost taken

User_findOw((email: reg,body.mamil )
    ...the(constitute) return res_status(d00).send('Email already exists.')
    ))
    // hash the password
cost stat: mail terypt.gendal((a));
cost tate mail terypt.gendal((a));
cost (error) = res_status(d00).send((messpect));

// login to the system
roomer.gendal((messpect));
// login to the system
roomer.gend - login((messpect));
// login to the system
roomer.gendal((messpect));
// login to the
```

 Collection of all necessary endpoints have been created as a collection on Postman including data need to be inserted. Since all endpoints have created as a collection they can be exported/imported. We designed that collection in a structure such that you will only need to enter required auth-key once.



- File transform functionality that enables CI/CD to work continuously independently from API's state of work.

```
    Run Copy-Item -Force -Recurse -Verbose -Path 'C:\actions-runner\_work\VPatientAPI\VPatientAPI\V* -Destination 'C:\VPatient\'

    5 C:\actions-runner\_work\VPatientAPI\VPatientAPI\.github Destination: C:\VPatient\.github".
    6 VERBOSE: Performing the operation "Create Directory" on target "Destination: C:\VPatient\.github".
    7 VERBOSE: Performing the operation "Copy Directory" on target "Item:
       VERBOSE: Performing the operation "Create Directory" on target "Destination: C:\VPatient\.github\workflows".
   11 C:\actions-runner\_work\VPatientAPI\\PatientAPI\\.github\workflows\node.js.yml Destination:
   13 VERBOSE: Performing the operation "Copy Directory" on target "Item:
       C:\actions-runner\_work\VPatientAPI\VPatientAPI\common Destination: C:\VPatient\common"
   16 VERBOSE: Performing the operation "Copy File" on target "Item:
   18 VERBOSE: Performing the operation "Copy Directory" on target "Item:
      C:\actions-runner\_work\VPatientAPI\VPatientAPI\models Destination: C:\VPatient\models".
       VERBOSE: Performing the operation "Create Directory" on target "Destination: C:\VPatient\models".
   21 VERBOSE: Performing the operation "Copy File" on target "Item:
   22 C:\actions-runner\_work\VPatientAPI\VPatientAPI\models\BloodSugarTraceModel.js Destination:
   {\tt 23 \quad C:\VPatient\models\BloodSugarTraceModel.js"}.
   24 VERBOSE: Performing the operation "Copy File" on target "Item:
       C:\actions-runner\_work\VPatientAPI\VPatientAPI\models\FallRiskFormModel.js Destination:
   27 VERBOSE: Performing the operation "Copy File" on target "Item:
       VERBOSE: Performing the operation "Copy File" on target "Item:
       C:\actions-runner\_work\VPatientAPI\VPatientAPI\models\LaboratoryResultModel.js Destination:
       C:\VPatient\models\LaboratoryResultModel.js".
```

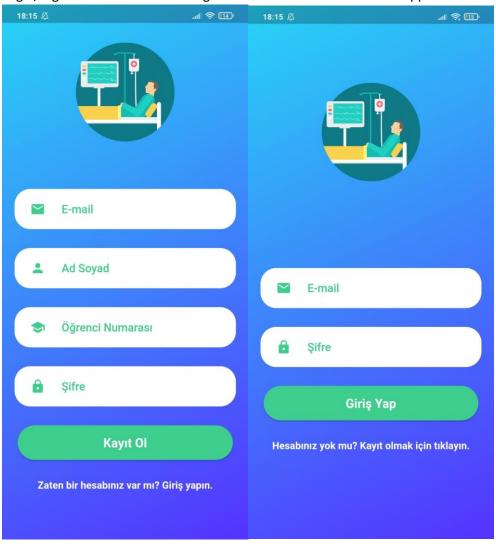
Necessary schemas, models have been created and migrated into MongoDB cloud server with approach of code-first development.

```
> .github
                                                const mongoose = require('mongoose'); Hint: File is a CommonJS module; it may be converted to an ES module.
> common

∨ models

                                                const ScenarioSchema = mongoose.Schema({
   patient: { type: mongoose.Types.ObjectId, ref: 'PatientModel' },
JS BloodSugarTraceModel.js
 JS FallRiskFormModel.is
                                                      sequence: {
    type: Number,
JS GradeModel.js
                                                          required: tr
 JS LaboratoryResultModel.js
                                                     text: {
 JS NortonPressureUlcerModel.js
 JS PatientDiagnosisModel.is
                                                          required: tr
 JS PatientFallRiskModel.is
                                                      eply: {
 JS ScenarioModel.js
                                                          type: Boolean,
JS UserDiagnosisModel.js
                                                         required: tr
 JS UserModel.is
JS VitalSignModel.js
                                                         default: false
> routes
                                                      date: {
.gitignore
                                                          type: Date,
default: Date.now
JS index.js
{} package-lock.json
{} package.json
                                                [],
{timestamps: true});
③ README.md
                                                module.exports = mongoose.model("ScenarioModel", ScenarioSchema);
```

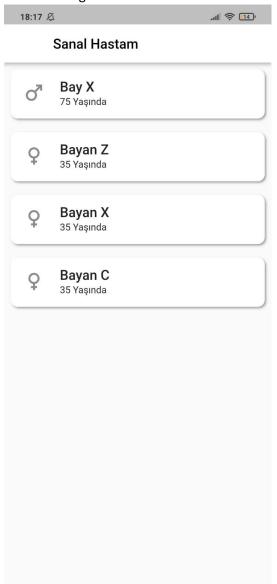
- Login/register authentication integration has been done on mobile application.



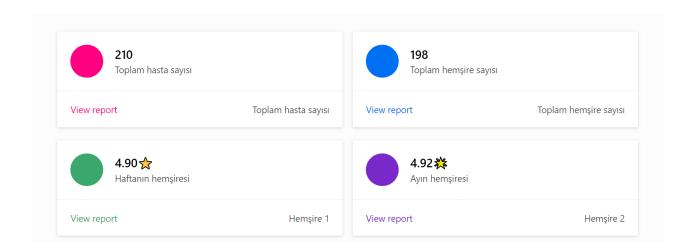
- General framework and substructure of the project have been developed. Development of validation in register/login sections has been done.



- Patient listing screen has been started to be developed.



-General Structure of Dashboard Page and Components has been settled.





Task Distribution

- Emre Kayacık: Authentication, authorization of the API has been configured. Required
 endpoints given to mobile development team to build an integration. Postman post/get
 requests have been created as a collection, filled with required data to be ready to
 insert all data.
- Uğur Dindar: File transfer functionality added to the CI/CD. Necessary schemas, models have been created and migrated into MongoDB cloud server with approach of codefirst development. Patient get, set, list endpoints have been created.
- İdris Can Bölükbaşı: Login and register screens and their implementations, functionalities have been developed and tested. Authorization and authentication of the system done according to API that we've created.
- Oğuzhan Çetin: Splash screen has been developed; patient screen development has been started.
- Yunus Emre Korkmaz: Creating the general structure of dashboard and setting up the necessary pages.
- Umutcan Yavuz: Endpoint integrations with given API addresses from backend developer team.

Individual Contribution (state as a percentage for each member, decide according to the contribution of the individual on that week. If a member does not have any contribution, please state)

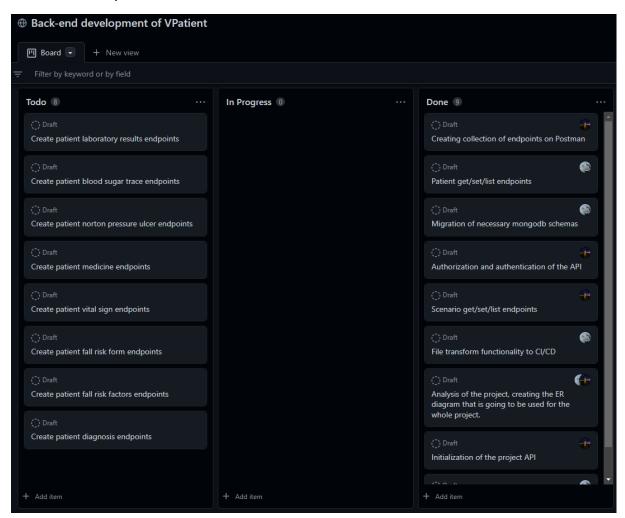
Every single team done work of themselves. We can just say that every team contributed evenly to in behalf of progress of the project.

Plans for the Following Week (separated team by team, one page each team)

Back-end Development Team:

- Creating a comprehensive scenario end-to-end then implementing into the system.
- Creating and testing all necessary routes/endpoints.

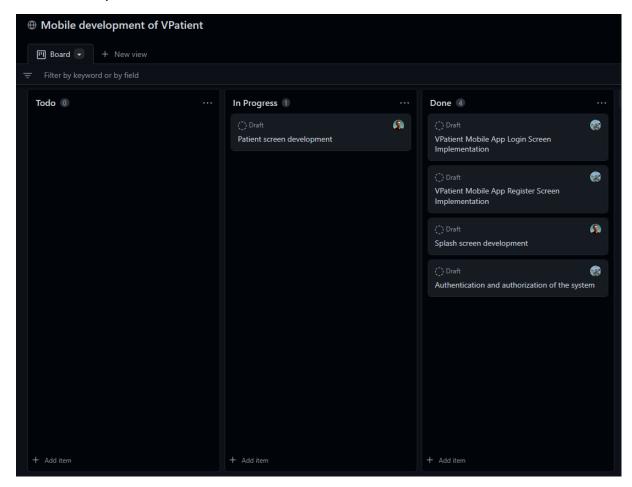
Back-end Development Team's board:



Mobile Development Team:

- Patient screen is going to be developed at the end of this week.
- Scenarios and chat-screen is going to be developed.

Mobile Development Team's board:



Front-end Development Team:

- Implementation of register and login screens.
- Implementation of charts and data tables with given patient values.

Front-end Development Team's board:

