

Web Programming
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FAF-193
Lab #5

So, the main idea was to develop a BLOG-APP.

As a backend framework I've chosen Node-Js with Express framework.

There are two main folders in project

backend	11.05.2022 9:53	Папка с файлами	
frontend	11.05.2022 9:53	Папка с файлами	
.gitignore	11.05.2022 9:53	Текстовый докум...	1 КБ
README.md	11.05.2022 9:53	Исходный файл ...	1 КБ

In backend => server.js file I have main features of project like **server-starting**, **DB connecting**.

```
const dbPath = 'mongodb://localhost/blog_db';
const options = {useNewUrlParser: true, useUnifiedTopology: true};
const mongo = mongoose.connect(dbPath, options);

const userRoutes = require('./controller/UserController');
const articleRoutes = require('./controller/ArticleController');
const subscribeRoutes = require('./controller/SubscriptionController');

mongo.then(() => {
  console.log('connected');
}, error => {
  console.log(error, 'error');
});

//Check DB Connection
if (!mongoose.connection)
  console.log("Error connecting db");
else
  console.log("DB Connected Successfully");

app.use(express.urlencoded({extended: true}));
app.use(bodyParser.json());
app.use(cors());

// Login & auth
app.use('/api', userRoutes);
// Articles stuff
app.use('/api', articleRoutes);
// Subscriptions stuff
app.use('/api', subscribeRoutes);

app.listen(port);
```

In **utils.js** I have additional functions like **authentication**, **get user ID by token**, **check if user is redactor**.

```
const getUserId = (req) => {
  const authHeader = req.headers.authorization;

  const token = authHeader.split(' ')[1];

  return jwt.verify(token, `${process.env.TOKEN_SECRET}`);
};
```

```
const isEditor = (req, res, next) => {
  if (req.user.role === 'editor') {
    next();
  } else {
    res.sendStatus(403);
  }
};
```

```
const authenticateJWT = (req, res, next) => {
  const authHeader = req.headers.authorization;

  if (authHeader) {
    const token = authHeader.split(' ')[1];

    jwt.verify(token, `${process.env.TOKEN_SECRET}`, (err, user) => {
      if (err) {
        return res.sendStatus(403);
      }

      req.user = user;
      next();
    });
  } else {
    res.sendStatus(401);
  }
};
```

In folder **Models** I have DB model and needed functions for it.


DB I have MongoDB with Mongoose adding - because as I had read it is easier to use, to connect and easy to work with small projects.

Имя	Дата изменения	Тип	Размер
Article.js	11.05.2022 9:53	файл JavaScript	4 КБ
Subscription.js	11.05.2022 9:53	файл JavaScript	2 КБ
User.js	11.05.2022 9:53	файл JavaScript	2 КБ





In folder **Controllers** - I have all servers logic - what should be returned for every request.

Имя	Дата изменения	Тип	Размер
ArticleController.js	11.05.2022 9:53	файл JavaScript	2 КБ
SubscriptionController.js	11.05.2022 9:53	файл JavaScript	1 КБ
UserController.js	11.05.2022 9:53	файл JavaScript	2 КБ

In frontend I used Bootstrap. Additional styles I have moved to **Styles** folder.

Имя	Дата изменения	Тип	Размер
 style.css	11.05.2022 9:53	CSS-документ	1 КБ

For hide/view of modal window, buttons for authorization and text redacting I use clear JS which is logically divided into files and everything is in folder **Scripts**.

Имя	Дата изменения	Тип	Размер
 auth.js	11.05.2022 9:53	файл JavaScript	4 КБ
 edit-posts.js	11.05.2022 9:53	файл JavaScript	2 КБ
 load-posts.js	11.05.2022 9:53	файл JavaScript	5 КБ
 utils.js	11.05.2022 9:53	файл JavaScript	2 КБ

My git: https://github.com/maslihov-vlad/Web_programming