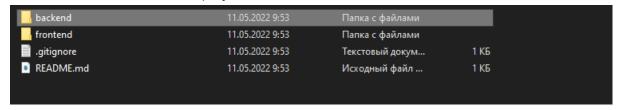
Web Programming Maslihov Vlad FAF-193 Lab #5

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

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

There are two main folders in project



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

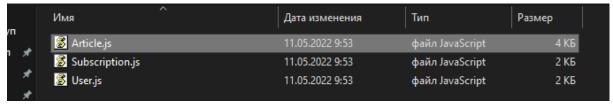
```
const dbPath = 'mongodb://localhost/blog_db';
const options = {useNewUrlParser: true, useUnifiedTopology: true};
const mongo = mongoose.connect(dbPath, options);
const userRoutes = require('./controller/UserController');
const articleRoutes = require('./controller/ArticleController');
const subscribeRoutes = 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, `${process.env.TOKEN SECRET}`);
L1:
\negconst isEditor = (req, res, next) => {
      if (req.user.role === 'editor') {
           next();
      } else {
           res.sendStatus(403);
□const authenticateJWT = (req, res, next) => {
    const authHeader = req.headers.authorization;
    if (authHeader) {
        const token = authHeader.split(' ')[1];
        jwt.verify(token, `${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.

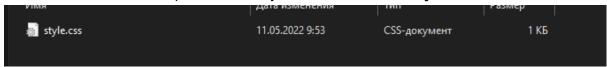
DB I have MongoDB with Mongoose adding - because as I had read it is easier to use, to connect and easy to work with small projects.



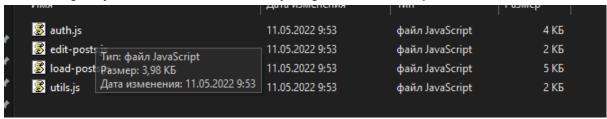
In folder **Controllers -** I have all servers logic - what should be returned for every request.

	/ Рим	Дата изменения	Тип	Размер	
/⊓ 1 **	ArticleController.js	11.05.2022 9:53	файл JavaScript	2 KБ	
	SubscriptionController.js	11.05.2022 9:53	файл JavaScript	1 KB	
*	UserController.js	11.05.2022 9:53	файл JavaScript	2 KБ	

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



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**.



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