

NguyenLien Shop

Backend – NodeJS

Frontend – React/TS

Database – MySQL

IDE: VSCODE, XAMPP

**Lưu ý: Project chưa hoàn thiện, vẫn còn đang phát triển và chỉnh sửa rất nhiều thứ!*

Backend – NodeJS

/src

/src/config/

config.json

```
1. {
2.   "development": {
3.     "username": "root",
4.     "password": null,
5.     "database": "nguyenlien",
6.     "host": "127.0.0.1",
7.     "dialect": "mysql",
8.     "logging": false,
9.     "timezone": "+07:00"
10.  },
11.  "test": {
12.    "username": "root",
13.    "password": null,
14.    "database": "database_test",
15.    "host": "127.0.0.1",
16.    "dialect": "mysql"
17.  },
18.  "production": {
19.    "username": "root",
20.    "password": null,
21.    "database": "database_production",
22.    "host": "127.0.0.1",
23.    "dialect": "mysql"
24.  }
25. }
```

connectDB.js

```
1. import { Sequelize } from 'sequelize';
2. import dotenv from 'dotenv';
3.
4. // Load biến môi trường từ .env
5. dotenv.config();
6.
7. // Tạo instance Sequelize dùng biến từ .env để tiện tái sử dụng
8. const sequelize = new Sequelize(
9.   process.env.DB_NAME || 'nguyenlien',
10.  process.env.DB_USER || 'root',
11.  process.env.DB_PASSWORD || null,
12.  {
13.    host: process.env.DB_HOST || 'localhost',
14.    port: process.env.DB_PORT || 3306,
15.    dialect: 'mysql',
16.    logging: false, // Có thể bật thành true khi debug query
17.  }
18. );
19.
20. // Hàm kết nối DB
21. const connectDB = async () => {
22.   try {
23.     await sequelize.authenticate();
24.     console.log('✅ Đã kết nối MySQL thành công!');
25.   } catch (error) {
26.     console.error('❌ Kết nối MySQL thất bại:', error.message);
27.     process.exit(1); // Thoát chương trình nếu kết nối DB thất bại
28.   }
29. };
30.
31. export default connectDB;
32. export { sequelize };
33.
```

viewEngine.js

```
1. import express from "express";
2.
3. let configViewEngine = (app) => {
4.   app.use(express.static("./src/public"))
5.   app.set("view engine", "ejs")
6.   app.set("views", "./src/views")
7. }
8.
9. module.exports = configViewEngine;
```

/src/controllers/

adminController.js

```
1. import adminService from "../services/adminService.js";
2. import dotenv from 'dotenv';
3. dotenv.config();
4.
```

```

5. // ===== USER MANAGER =====
6.
7. // Get All Users or Single User
8. let handleGetAllUsers = async (req, res) => {
9.   const id = req.params.id;
10.
11.   if (!id) {
12.     return res.status(400).json({
13.       errCode: 1,
14.       errMessage: "Missing required parameter",
15.       users: []
16.     });
17.   }
18.
19.   try {
20.     const users = await adminService.getAllUsers(id);
21.     return res.status(200).json({
22.       errCode: 0,
23.       errMessage: "Ok",
24.       users
25.     });
26.   } catch (error) {
27.     console.error("Get Users Error:", error);
28.     return res.status(500).json({
29.       errCode: -1,
30.       errMessage: "Error from server"
31.     });
32.   }
33. };
34.
35. // Delete User
36. let handleDeleteUser = async (req, res) => {
37.   const userId = req.params.id;
38.
39.   if (!userId) {
40.     return res.status(400).json({
41.       errCode: 1,
42.       errMessage: "Missing user ID"
43.     });
44.   }
45.
46.   try {
47.     const message = await adminService.deleteUser(userId);
48.     return res.status(200).json(message);
49.   } catch (error) {
50.     console.error("Delete User Error:", error);
51.     return res.status(500).json({
52.       errCode: -1,
53.       errMessage: "Error from server"
54.     });
55.   }
56. };
57.
58. // Edit User
59. let handleEditUser = async (req, res) => {
60.   const data = req.body;
61.
62.   if (!data || !data.id) {
63.     return res.status(400).json({

```

```

64.         errCode: 1,
65.         errMsg: 'Missing user ID'
66.     });
67. }
68.
69.     try {
70.         const message = await adminService.updateUserData(data);
71.         return res.status(200).json(message);
72.     } catch (error) {
73.         console.error("Edit User Error:", error);
74.         return res.status(500).json({
75.             errCode: -1,
76.             errMsg: "Server error while updating user"
77.         });
78.     }
79. };
80.
81. // ===== EXPORT =====
82. export default {
83.     handleGetAllUsers,
84.     handleEditUser,
85.     handleDeleteUser
86. };
87.

```

authController.js

```

1. import authService from "../services/authService.js";
2. import jwt from 'jsonwebtoken';
3. import dotenv from 'dotenv';
4. import sendResponse from '../utils/sendResponse.js';
5.
6. dotenv.config();
7.
8. const handleLogin = async (req, res) => {
9.     const { identifier, password } = req.body;
10.
11.     if (!identifier || !password) {
12.         return sendResponse(res, {
13.             status: 400,
14.             errCode: 1,
15.             message: 'Missing inputs',
16.         });
17.     }
18.
19.     const userData = await authService.loginUser(identifier, password);
20.
21.     if (userData.errCode !== 0) {
22.         return sendResponse(res, {
23.             status: 401,
24.             errCode: userData.errCode,
25.             message: userData.errMessage || 'Sai thông tin đăng nhập!',
26.         });
27.     }
28.
29.     const user = userData.user;
30.
31.     const token = jwt.sign(

```

```

32.     { id: user.id, roleId: user.roleId },
33.     process.env.JWT_SECRET,
34.     { expiresIn: '1h' }
35.   );
36.
37.   return sendResponse(res, {
38.     message: 'Login successful',
39.     token,
40.     data: user
41.   });
42. };
43.
44. const handleRegister = async (req, res) => {
45.   const result = await authService.registerUser(req.body);
46.
47.   return sendResponse(res, {
48.     status: result.errCode === 0 ? 200 : 400,
49.     errCode: result.errCode,
50.     message: result.errMessage || result.message,
51.   });
52. };
53.
54. export default {
55.   handleLogin,
56.   handleRegister,
57. };
58.

```

backendController.js

```

1. import backendService from '../services/backendService';
2. import { checkEmailExists, checkPhoneNumberExists, checkUserNameExists } from
   '../services/validators';
3.
4. let homePage = (req, res) => {
5.   return res.render('homePage.ejs');
6. };
7.
8. let userManager = async (req, res) => {
9.   try {
10.    const data = await backendService.getAllUser();
11.    const message = req.query.message || null;
12.    return res.render('userManager.ejs', { dataTable: data, message });
13.  } catch (error) {
14.    console.error(error);
15.    return res.status(500).send('Đã xảy ra lỗi khi tải danh sách người dùng.');

```

```

28.
29. let postCreateNewUser = async (req, res) => {
30.   try {
31.     const { userName, password, phoneNumber, roleId, email } = req.body;
32.
33.     // Trim dữ liệu
34.     req.body.userName = userName?.trim();
35.     req.body.password = password?.trim();
36.     req.body.phoneNumber = phoneNumber?.trim();
37.     req.body.email = email?.trim();
38.
39.     const oldInput = req.body;
40.
41.     // Validate bắt buộc
42.     if (!userName || !password || !roleId) {
43.       return res.render('createNewUser.ejs', {
44.         errorMessage: 'Please fill in all required fields!',
45.         oldInput,
46.         emailError: null,
47.         phoneError: null,
48.         passwordError: null
49.       });
50.     }
51.
52.     // Validate password length`
53.     if (password.length < 6) {
54.       return res.render('createNewUser.ejs', {
55.         errorMessage: null,
56.         oldInput,
57.         passwordError: 'Password must be at least 6 characters!',
58.         emailError: null,
59.         phoneError: null
60.       });
61.     }
62.
63.     // Check username exists
64.     const loginNameExists = await checkUserNameExists(userName);
65.     if (loginNameExists) {
66.       return res.render('createNewUser.ejs', {
67.         errorMessage: 'Username already exists!',
68.         oldInput,
69.         emailError: null,
70.         phoneError: null,
71.         passwordError: null
72.       });
73.     }
74.
75.     // Validate phone format
76.     const phonePattern = /^0\d{9}$/;
77.     if (phoneNumber && !phonePattern.test(phoneNumber)) {
78.       return res.render('createNewUser.ejs', {
79.         errorMessage: null,
80.         oldInput,
81.         phoneError: 'Invalid phone number format (must start with 0 and be 10
digits)',
82.         emailError: null,
83.         passwordError: null
84.       });
85.     }

```

```

86.
87. // Check phone exists
88. if (phoneNumber) {
89.     const phoneExists = await checkPhoneNumberExists(phoneNumber);
90.     if (phoneExists) {
91.         return res.render('createNewUser.ejs', {
92.             errorMessage: null,
93.             oldInput,
94.             phoneError: 'Phone number already exists!',
95.             emailError: null,
96.             passwordError: null
97.         });
98.     }
99. }
100.
101. // Validate email format
102. const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
103. if (email && !emailPattern.test(email)) {
104.     return res.render('createNewUser.ejs', {
105.         errorMessage: null,
106.         oldInput,
107.         emailError: 'Invalid email format!',
108.         phoneError: null,
109.         passwordError: null
110.     });
111. }
112.
113. // Check email exists
114. if (email) {
115.     const emailExists = await checkEmailExists(email);
116.     if (emailExists) {
117.         return res.render('createNewUser.ejs', {
118.             errorMessage: null,
119.             oldInput,
120.             emailError: 'Email already exists!',
121.             phoneError: null,
122.             passwordError: null
123.         });
124.     }
125. }
126.
127. // Tạo người dùng
128. await backendService.createNewUser(req.body);
129.
130. return res.redirect('/user-manager?message=User created successfully');
131. } catch (error) {
132.     console.error('Error creating account: ', error);
133.     return res.status(500).send("An error occurred while creating the
user!");
134. }
135. };
136.
137. let editUser = async (req, res) => {
138.     const userId = req.query.id;
139.     if (!userId) return res.status(404).send("Không tìm thấy người dùng.");
140.
141.     try {
142.         const userData = await backendService.getUserInfoById(userId);
143.         return res.render("updateUser.ejs", {

```

```

144.         user: userData,
145.         error: null
146.     });
147. } catch (error) {
148.     console.error(error);
149.     return res.status(500).send("Lỗi khi tải dữ liệu người dùng.");
150. }
151. };
152.
153. let updateUser = async (req, res) => {
154.     try {
155.         const data = req.body;
156.         const result = await backendService.updateUserData(data);
157.
158.         if (result.errCode === 0) {
159.             return res.redirect('/user-manager');
160.         }
161.         else {
162.             return res.render("updateUser.ejs", {
163.                 user: data,
164.                 error: result.errMessage || 'Update user failed.',
165.                 emailError: result.errCode === 3 ? result.errMessage : null,
166.                 phoneError: result.errCode === 5 ? result.errMessage : null
167.             });
168.         }
169.     } catch (error) {
170.         console.error("User update error:", error);
171.         return res.status(500).send("An error occurred while updating the
user.");
172.     }
173. };
174.
175. let deleteUser = async (req, res) => {
176.     const id = req.query.id;
177.     if (!id) return res.status(404).send("Missing user!");
178.
179.     try {
180.         const result = await backendService.deleteUserById(id);
181.         if (result.errCode === 0) {
182.             return res.redirect('/user-manager');
183.         } else {
184.             return res.status(404).send("User does not exist.");
185.         }
186.
187.     } catch (error) {
188.         console.error("Error deleting user::", error);
189.         return res.status(500).send("An error occurred while deleting the
user.");
190.     }
191. };
192.
193. export default {
194.     homePage,
195.     userManager,
196.     createNewUser,
197.     postCreateNewUser,
198.     editUser,
199.     updateUser,
200.     deleteUser,

```



```
201.     };
202.
```

userController.js

```
1.  import userService from "../services/userService";
2.  import dotenv from 'dotenv';
3.  dotenv.config();
4.
5.  let handleGetUserProfile = async (req, res) => {
6.    try {
7.      const userId = req.user?.id;
8.
9.      if (!userId) {
10.        return res.status(401).json({
11.          errCode: 1,
12.          message: 'Unauthorized',
13.        });
14.      }
15.
16.      const user = await userService.getUserInfoById(userId);
17.      if (!user) {
18.        return res.status(404).json({
19.          errCode: 2,
20.          message: 'User not found',
21.        });
22.      }
23.
24.      return res.status(200).json({
25.        errCode: 0,
26.        message: 'Success',
27.        data: user,
28.      });
29.    } catch (error) {
30.      console.error(error);
31.      return res.status(500).json({
32.        errCode: -1,
33.        message: 'Server error',
34.      });
35.    }
36.  };
37.
38. let handleEditUserProfile = async (req, res) => {
39. };
40.
41. let updateAddress = async (req, res) => {
42.
43. };
44.
45. let updateEmail = async (req, res) => {
46.
47. };
48.
49. let updatePhoneNumber = async (req, res) => {
50.
51. };
52.
53. let changePassword = async (req, res) => {
```

```

54.
55. };
56.
57. export default {
58.   handleGetUserProfile: handleGetUserProfile,
59.   handleEditUserProfile: handleEditUserProfile,
60.   updateAddress: updateAddress,
61.   updateEmail: updateEmail,
62.   updatePhoneNumber: updatePhoneNumber,
63.   changePassword: changePassword
64. };

```

/src/middlewares/

authMiddleware.js

```

1. import jwt from 'jsonwebtoken';
2. import dotenv from 'dotenv';
3. dotenv.config(); // để đọc biến .env
4.
5. const secret = process.env.JWT_SECRET;
6.
7. export const verifyToken = (req, res, next) => {
8.   const token = req.headers.authorization?.split(' ')[1]; // Bearer <token>
9.
10.  if (!token) {
11.    return res.status(401).json({ message: 'Token not provided!' });
12.  }
13.
14.  try {
15.    const decoded = jwt.verify(token, secret);
16.    req.user = decoded; // thêm info user vào req
17.    next();
18.  } catch (err) {
19.    return res.status(403).json({ message: 'Invalid or expired token' });
20.  }
21. };
22.
23. export const checkOwner = (req, res, next) => {
24.   const loggedInUserId = req.user?.id;
25.   const targetUserId = parseInt(req.params.id);
26.
27.   if (loggedInUserId !== targetUserId) {
28.     return res.status(403).json({ message: 'Access denied: Not owner' });
29.   }
30.   next();
31. };
32.
33. export const isRole = (requiredRoleId) => {
34.   return (req, res, next) => {
35.     if (req.user?.roleId !== requiredRoleId) {
36.       return res.status(403).json({ message: 'Access denied' });
37.     }
38.     next();
39.   };
40. };

```

41.

validateBodyFields.js

```
1. const validateBodyFields = (requiredFields = []) => {
2.   return (req, res, next) => {
3.     const missing = requiredFields.filter(field => !req.body[field]);
4.
5.     if (missing.length > 0) {
6.       return res.status(400).json({
7.         errCode: 1,
8.         message: `Missing fields: ${missing.join(', ')}`,
9.       });
10.    }
11.
12.    next();
13.  };
14. };
15.
16. export default validateBodyFields;
17.
```

/src/migration/

migration-allcode.js

```
1. 'use strict';
2. module.exports = {
3.   up: async (queryInterface, Sequelize) => {
4.     await queryInterface.createTable('AllCodes', {
5.       id: { //k can khai bao trong user
6.         allowNull: false,
7.         autoIncrement: true,
8.         primaryKey: true,
9.         type: Sequelize.INTEGER
10.      },
11.      key: {
12.        type: Sequelize.STRING
13.      },
14.      type: {
15.        type: Sequelize.STRING
16.      },
17.      valueEn: {
18.        type: Sequelize.STRING
19.      },
20.      valueVi: {
21.        type: Sequelize.STRING
22.      },
23.      createdAt: {
24.        allowNull: false,
25.        type: Sequelize.DATE
26.      },
27.      updatedAt: {
```

```

28.         allowNull: false,
29.         type: Sequelize.DATE
30.     }
31. });
32. },
33. down: async (queryInterface, Sequelize) => {
34.     await queryInterface.dropTable('AllCodes');
35. }
36. });

```

migration-role.js

```

1. 'use strict';
2. module.exports = {
3.     up: async (queryInterface, Sequelize) => {
4.         await queryInterface.createTable('Roles', {
5.             id: {
6.                 allowNull: false,
7.                 autoIncrement: true,
8.                 primaryKey: true,
9.                 type: Sequelize.INTEGER
10.            },
11.            name: { type: Sequelize.STRING, allowNull: false },
12.            description: Sequelize.STRING,
13.            createdAt: Sequelize.DATE,
14.            updatedAt: Sequelize.DATE,
15.        });
16.    },
17.    down: async (queryInterface, Sequelize) => {
18.        await queryInterface.dropTable('Roles');
19.    }
20. };

```

migration-user.js

```

1. 'use strict';
2. /** @type {import('sequelize-cli').Migration} */
3. module.exports = {
4.     async up(queryInterface, Sequelize) {
5.         await queryInterface.createTable('Users', {
6.             id: {
7.                 allowNull: false,
8.                 autoIncrement: true,
9.                 primaryKey: true,
10.                type: Sequelize.INTEGER
11.            },
12.            userName: {
13.                type: Sequelize.STRING
14.            },
15.            password: {
16.                type: Sequelize.STRING
17.            },
18.            email: {
19.                type: Sequelize.STRING
20.            },
21.            phoneNumber: {
22.                type: Sequelize.STRING

```

```

23.     },
24.     fullName: {
25.         type: Sequelize.STRING
26.     },
27.     gender: {
28.         type: Sequelize.STRING
29.     },
30.     roleId: {
31.         type: Sequelize.INTEGER,
32.         references: {
33.             model: 'Roles',
34.             key: 'id'
35.         }
36.     },
37.     slug: {
38.         type: Sequelize.STRING
39.     },
40.     createdAt: {
41.         allowNull: false,
42.         type: Sequelize.DATE
43.     },
44.     updatedAt: {
45.         allowNull: false,
46.         type: Sequelize.DATE
47.     }
48. });
49. },
50. async down(queryInterface, Sequelize) {
51.     await queryInterface.dropTable('Users');
52. }
53. };

```

/src/models/

allcode.js

```

1. 'use strict';
2. const {
3.     Model
4. } = require('sequelize');
5. module.exports = (sequelize, DataTypes) => {
6.     class Allcode extends Model {
7.         /**
8.          * Helper method for defining associations.
9.          * This method is not a part of Sequelize lifecycle.
10.         * The `models/index` file will call this method automatically.
11.         */
12.         static associate(models) { // cac moi quan he o day (nhieu - nhieu, nhieu -
it,...)
13.             // define association here
14.         }
15.     };
16.     Allcode.init({
17.         key: DataTypes.STRING,
18.         type: DataTypes.STRING,
19.         valueEn: DataTypes.STRING,
20.         valueVi: DataTypes.STRING
21.     }, {

```

```

22.         sequelize,
23.         modelName: 'Allcode',
24.     });
25.     return Allcode;
26. };

```

index.js

```

1.  'use strict';
2.  require('dotenv').config();
3.  const fs = require('fs');
4.  const path = require('path');
5.  const Sequelize = require('sequelize');
6.  const process = require('process');
7.  const basename = path.basename(__filename);
8.  const env = process.env.NODE_ENV || 'development';
9.  const config = require(__dirname + '/../config/config.json')[env];
10. const db = {};
11.
12. let sequelize;
13. if (config.use_env_variable) {
14.     sequelize = new Sequelize(process.env[config.use_env_variable], config);
15. } else {
16.     sequelize = new Sequelize(config.database, config.username, config.password,
17.                               config);
18. }
19. fs
20.   .readdirSync(__dirname)
21.   .filter(file => {
22.       return (
23.           file.indexOf('.') !== 0 &&
24.           file !== basename &&
25.           file.slice(-3) === '.js' &&
26.           file.indexOf('.test.js') === -1
27.       );
28.   })
29.   .forEach(file => {
30.       const model = require(path.join(__dirname, file))(sequelize,
31.       Sequelize.DataTypes);
31.       db[model.name] = model;
32.   });
33.
34. Object.keys(db).forEach(modelName => {
35.     if (db[modelName].associate) {
36.         db[modelName].associate(db);
37.     }
38. });
39.
40. db.sequelize = sequelize;
41. db.Sequelize = Sequelize;
42.
43. module.exports = db;
44.

```

role.js

```
1. 'use strict';
2. const {
3.   Model
4. } = require('sequelize');
5. module.exports = (sequelize, DataTypes) => {
6.   class Role extends Model {
7.     /**
8.      * Helper method for defining associations.
9.      * This method is not a part of Sequelize lifecycle.
10.     * The `models/index` file will call this method automatically.
11.     */
12.     static associate(models) { // cac moi quan he o day (nhieu - nhieu, nhieu -
it,...)
13.       Role.hasMany(models.User, { foreignKey: 'roleId' });
14.     }
15.   };
16.   Role.init({
17.     name: DataTypes.STRING,
18.     description: DataTypes.STRING,
19.   }, {
20.     sequelize,
21.     modelName: 'Role',
22.   });
23.   return Role;
24. };
```

user.js

```
1. 'use strict';
2. const {
3.   Model
4. } = require('sequelize');
5. module.exports = (sequelize, DataTypes) => {
6.   class User extends Model {
7.     /**
8.      * Helper method for defining associations.
9.      * This method is not a part of Sequelize lifecycle.
10.     * The `models/index` file will call this method automatically.
11.     */
12.     static associate(models) {
13.       User.belongsTo(models.Role, { foreignKey: 'roleId', targetKey: 'id' });
14.     }
15.   }
16.   User.init({
17.     userName: DataTypes.STRING,
18.     password: DataTypes.STRING,
19.     email: DataTypes.STRING,
20.     phoneNumber: DataTypes.STRING,
21.     fullName: DataTypes.STRING,
22.     gender: DataTypes.STRING,
23.     roleId: DataTypes.INTEGER,
24.     slug: DataTypes.STRING
25.   }, {
26.     sequelize,
27.     modelName: 'User',
28.   });
```

```
29.   return User;
30. };
```

/src/public/image/

/src/routes/

apiRoutes.js

```
1. import express from 'express';
2. import authController from '../controllers/authController.js';
3. import userController from '../controllers/userController.js';
4. import adminController from '../controllers/adminController.js';
5. import { verifyToken, isRole } from '../middlewares/authMiddleware.js';
6. import validateBodyFields from '../middlewares/validateBodyFields.js';
7.
8. const router = express.Router();
9.
10. //public APIs
11. router.post(
12.   '/login',
13.   validateBodyFields(['identifier', 'password']),
14.   authController.handleLogin
15. );
16. router.post('/register', authController.handleRegister);
17.
18. // Admin APIs
19. router.get('/admin/users-manager/:id', verifyToken, isRole(1),
20.   adminController.handleGetAllUsers);
21. router.put('/admin/user/:id', verifyToken, isRole(1),
22.   adminController.handleEditUser);
23. router.delete('/admin/user/:id', verifyToken, isRole(1),
24.   adminController.handleDeleteUser);
25.
26. // // User APIs
27. router
28.   .route('/profile/me')
29.   .get(verifyToken, isRole(2), userController.handleGetUserProfile)
30.   .put(verifyToken, isRole(2), userController.handleEditUserProfile);
31.
32. router.patch('/user/me/address', verifyToken, isRole(2),
33.   userController.updateAddress);
34. router.patch('/user/me/email', verifyToken, isRole(2), userController.updateEmail);
35. router.patch('/user/me/phone', verifyToken, isRole(2),
36.   userController.updatePhoneNumber);
37. router.patch('/user/me/password', verifyToken, isRole(2),
38.   userController.changePassword);
39.
40. export default router;
```

web.js

```
1. import webRoutes from './webRoutes.js';
2. import apiRoutes from './apiRoutes.js';
3.
```



```

4. const initRoutes = (app) => {
5.   app.use('/', webRoutes);           // View-based routing
6.   app.use('/api', apiRoutes);        // All API under /api/*
7. };
8.
9. export default initRoutes;
10.

```

webRoutes.js

```

1. import express from 'express';
2. import backendController from '../controllers/backendController.js';
3.
4. const router = express.Router();
5.
6. router.get('/', backendController.homePage);
7. router.get('/user-manager', backendController.userManager);
8. router.get('/create-new-user', backendController.createNewUser);
9. router.post('/post-create-new-user', backendController.postCreateNewUser);
10. router.get('/edit-user', backendController.editUser);
11. router.post('/update-user', backendController.updateUser);
12. router.get('/delete-user', backendController.deleteUser);
13.
14. export default router;

```

/src/services/

adminService.js

```

1. import db from "../models/index"
2. import validator from "validator";
3. // User Manager
4.
5. let getAllUsers = (userId) => {
6.   return new Promise(async (resolve, reject) => {
7.     try {
8.       let users = '';
9.       if (userId === 'ALL') {
10.        users = await db.User.findAll({
11.          attributes: { exclude: ['password'] },
12.          include: [{ model: db.Role, attributes: ['name'] }]
13.        })
14.
15.      }
16.      if (userId && userId !== 'ALL') {
17.        users = await db.User.findOne({
18.          where: { id: userId },
19.          attributes: {
20.            exclude: ['password'] // remove password
21.          }
22.        })
23.      }
24.      resolve(users)
25.    } catch (e) {
26.      reject(e);
27.    }

```

```

28.   })
29. }
30.
31. let deleteUser = (userId) => {
32.   return new Promise(async (resolve, reject) => {
33.     try {
34.       let user = await db.User.findOne({
35.         where: { id: userId }
36.       });
37.       if (!user) {
38.         return resolve({
39.           errCode: 2,
40.           errMessage: `The user isn't exist`
41.         });
42.       }
43.       await user.destroy();
44.       resolve({
45.         errCode: 0,
46.         errMessage: `The user is deleted`
47.       });
48.     } catch (error) {
49.       reject({
50.         errCode: -1,
51.         errMessage: "An error occurred while deleting the user"
52.       });
53.     }
54.   });
55. }
56.
57. const updateUserData = (data) => {
58.   return new Promise(async (resolve, reject) => {
59.     try {
60.       if (!data.id) {
61.         return resolve({
62.           errCode: 1,
63.           errMessage: 'Missing user ID'
64.         });
65.       }
66.
67.       const user = await db.User.findOne({
68.         where: { id: data.id },
69.         raw: false
70.       });
71.
72.       if (!user) {
73.         return resolve({
74.           errCode: 3,
75.           errMessage: 'User not found'
76.         });
77.       }
78.
79.       // Kiểm tra email
80.       if (data.email && data.email !== user.email) {
81.         if (!validator.isEmail(data.email)) {
82.           return resolve({
83.             errCode: 5,
84.             errMessage: 'Invalid email format'
85.           });
86.         }

```

```

87.
88.     const emailExists = await db.User.findOne({
89.       where: {
90.         email: data.email,
91.         id: { [db.Sequelize.Op.ne]: data.id }
92.       }
93.     });
94.
95.     if (emailExists) {
96.       return resolve({
97.         errCode: 4,
98.         errMessage: 'Email already in use by another user'
99.       });
100.    }
101.
102.    user.email = data.email;
103.  }
104.
105.    // Các trường tùy chọn
106.    user.firstName = data.firstName?.trim() || null;
107.    user.lastName = data.lastName?.trim() || null;
108.    user.address = data.address?.trim() || null;
109.    user.phoneNumber = data.phoneNumber?.trim() || null;
110.
111.    if (['M', 'F', 'O'].includes(data.gender)) {
112.      user.gender = data.gender;
113.    } else {
114.      user.gender = null;
115.    }
116.
117.    // Vai trò người dùng (chỉ admin nên được cập nhật)
118.    if (data.roleId && typeof data.roleId === "number") {
119.      user.roleId = data.roleId;
120.    }
121.
122.    await user.save();
123.
124.    return resolve({
125.      errCode: 0,
126.      errMessage: 'Update user successfully'
127.    });
128.
129.  } catch (error) {
130.    console.error("Update User Error:", error.message || error);
131.    return reject({
132.      errCode: -1,
133.      errMessage: 'Server error while updating user'
134.    });
135.  }
136.  });
137.  });
138.
139.  export default {
140.    getAllUsers,
141.    deleteUser,
142.    updateUserData,
143.  };

```

authService.js

```
1. import { resolveInclude } from "ejs";
2. import db from "../models/index"
3. import bcrypt from 'bcryptjs';
4. import { where } from "sequelize";
5. import { checkEmailExists, checkPhoneNumberExists, checkUserNameExists } from
  "./validators";
6. import { Op } from 'sequelize';
7.
8. const loginUser = async (identifier, password) => {
9.   try {
10.    const userData = {};
11.
12.    const user = await db.User.findOne({
13.      where: {
14.        [Op.or]: [
15.          { userName: identifier },
16.          { email: identifier }
17.        ]
18.      },
19.      attributes: ['id', 'userName', 'email', 'roleId', 'password'],
20.      include: [
21.        {
22.          model: db.Role,
23.          attributes: ['name']
24.        }
25.      ]
26.    });
27.
28.    if (!user) {
29.      return {
30.        errCode: 1,
31.        errMessage: "Wrong account or password!"
32.      };
33.    }
34.
35.    if (!password || !user.password) {
36.      return {
37.        errCode: 2,
38.        errMessage: "Missing password!"
39.      };
40.    }
41.
42.    const match = bcrypt.compareSync(password, user.password);
43.
44.    if (!match) {
45.      return {
46.        errCode: 3,
47.        errMessage: "Wrong password!"
48.      };
49.    }
50.
51.    const userPlain = user.get({ plain: true });
52.    delete userPlain.password;
53.    delete userPlain.Role;
54.
55.    return {
56.      errCode: 0,
57.      errMessage: "OK",
```

```

58.         user: userPlain
59.     };
60.
61. } catch (err) {
62.     console.error("Login error:", err);
63.     return {
64.         errCode: -1,
65.         errMessage: "Internal server error"
66.     };
67. }
68. };
69.
70. let registerUser = (data) => {
71.     return new Promise(async (resolve, reject) => {
72.         try {
73.             // validate roleId tồn tại thật sự
74.             const validRole = await db.Role.findOne({ where: { id: parseInt(data.roleId)
75.         } });
76.             if (!validRole) {
77.                 return resolve({ errCode: 5, errMessage: 'Invalid roleId' });
78.             }
79.             if (!validator.isEmail(data.email)) {
80.                 return resolve({ errCode: 6, errMessage: 'Invalid email format' });
81.             }
82.             const errors = [];
83.
84.             if (await checkEmailExists(data.email)) errors.push("Email already exists");
85.             if (await checkUserNameExists(data.userName)) errors.push("Username already
86. exists");
87.             if (await checkPhoneNumberExists(data.phoneNumber)) errors.push("Phone
88. number already exists");
89.
90.             if (errors.length > 0) {
91.                 return resolve({
92.                     errCode: 1,
93.                     errMessage: errors.join(", "),
94.                 });
95.             }
96.             // Nếu không trùng thì tạo user
97.             let hashPassword = await hashUserPassword(data.password);
98.             await db.User.create({
99.                 userName: data.userName,
100.                 email: data.email,
101.                 phoneNumber: data.phoneNumber,
102.                 password: hashPassword,
103.                 firstName: data.firstName,
104.                 lastName: data.lastName,
105.                 address: data.address,
106.                 gender: data.gender || null,
107.                 roleId: parseInt(data.roleId) || 2
108.             });
109.             resolve({
110.                 errCode: 0,
111.                 message: 'User created successfully!'
112.             });
113.         } catch (error) {

```

```

114.         reject(error);
115.     }
116. });
117. };
118.
119.     const hashUserPassword = async (password) => {
120.         try {
121.             const salt = await bcrypt.genSalt(10);
122.             const hashed = await bcrypt.hash(password, salt);
123.             return hashed;
124.         } catch (e) {
125.             throw e;
126.         }
127.     };
128.
129.     export default {
130.         loginUser,
131.         registerUser,
132.     }

```

backendService.js

```

1.  import bcrypt from 'bcrypt';
2.  import db from '../models/index';
3.  import { where } from 'sequelize';
4.
5.  const salt = bcrypt.genSaltSync(10);
6.
7.  let getAllUser = async () => {
8.      try {
9.          let users = await db.User.findAll({
10.             attributes: { exclude: ['password'] },
11.             include: [
12.                 {
13.                     model: db.Role,
14.                     attributes: ['name']
15.                 }
16.             ],
17.             raw: true,
18.             nest: true
19.         });
20.         return users;
21.     } catch (error) {
22.         throw error;
23.     }
24. };
25.
26. let createNewUser = async (data) => {
27.     try {
28.
29.         data.userName = data.userName?.trim();
30.         data.email = data.email?.trim();
31.         data.phoneNumber = data.phoneNumber?.trim();
32.         data.fullName = data.fullName?.trim();
33.
34.         if (!data.userName || !data.password || !data.roleId) {
35.             return {
36.                 errCode: 1,

```

```

37.         errMsg: 'Missing required fields'
38.     };
39. }
40.
41.     const loginExists = await db.User.findOne({ where: { userName: data.userName }
42. });
43.     if (loginExists) return { errCode: 2, errMsg: 'Username already exists' };
44.     if (data.phoneNumber) {
45.         const phoneExists = await db.User.findOne({ where: { phoneNumber:
46. data.phoneNumber } });
47.         if (phoneExists) return { errCode: 3, errMsg: 'Phone number already
48. exists' };
49.     }
50.     if (data.email) {
51.         const emailRegex = /^[^\\s@]+@[^\\s@]+\\.([^\\s@]+)$/;
52.         if (!emailRegex.test(data.email)) {
53.             return { errCode: 6, errMsg: 'Invalid email format' };
54.         }
55.     }
56.     const emailExists = data.email ? await db.User.findOne({ where: { email:
57. data.email } }) : null;
58.     if (emailExists) return { errCode: 4, errMsg: 'Email already exists' };
59.     const hashedPassword = await bcrypt.hash(data.password, salt);
60.
61.     await db.User.create({
62.         userName: data.userName,
63.         password: hashedPassword,
64.         email: data.email || null,
65.         phoneNumber: data.phoneNumber || null,
66.         fullName: data.fullName || null,
67.         gender: data.gender || null,
68.         roleId: parseInt(data.roleId),
69.     });
70.     return { errCode: 0, errMsg: 'Create new user succeed' };
71. } catch (error) {
72.     throw error;
73. }
74. };
75.
76. let getUserInfoById = async (userId) => {
77.     return new Promise(async (resolve, reject) => {
78.         try {
79.             let user = await db.User.findOne({
80.                 where: { id: userId },
81.                 raw: true
82.             })
83.             if (user) {
84.                 resolve(user)
85.             } else {
86.                 resolve({});
87.             }
88.         } catch (error) {
89.             reject(error);
90.         }
91.     })

```

```

92.
93. }
94.
95. let updateUserData = async (data) => {
96.   try {
97.     if (!data.id) return { errCode: 1, errMessage: 'Missing user ID' };
98.
99.     const user = await db.User.findOne({ where: { id: data.id } });
100.    if (!user) return { errCode: 2, errMessage: 'User not found' };
101.
102.    // Email
103.    if (data.email !== undefined) {
104.      const emailValue = data.email.trim();
105.      if (emailValue === "") {
106.        user.email = null;
107.      } else if (emailValue !== user.email) {
108.        const emailExists = await db.User.findOne({
109.          where: {
110.            email: emailValue,
111.            id: { [db.Sequelize.Op.ne]: data.id }
112.          }
113.        });
114.        if (emailExists) return { errCode: 3, errMessage: 'Email already
in use' };
115.        user.email = emailValue;
116.      }
117.    }
118.
119.    // Phone number
120.    if (data.phoneNumber !== undefined) {
121.      const phoneValue = data.phoneNumber.trim();
122.      if (phoneValue === "") {
123.        user.phoneNumber = null;
124.      } else {
125.        const phonePattern = /^0\d{9}$/;
126.        if (!phonePattern.test(phoneValue)) {
127.          return { errCode: 5, errMessage: 'Invalid phone number. Must
be 10 digits and start with 0.' };
128.        }
129.        user.phoneNumber = phoneValue;
130.      }
131.    }
132.
133.    // Full name
134.    user.fullName = data.fullName?.trim() || null;
135.
136.    // Gender (cẩn thận vì 0 là falsy)
137.    if (data.gender !== undefined) {
138.      user.gender = data.gender;
139.    }
140.
141.    // Role ID (nếu không muốn cho update, có thể bỏ)
142.    if (data.roleId !== undefined) {
143.      user.roleId = data.roleId;
144.    }
145.
146.    await user.save();
147.    return { errCode: 0, errMessage: 'Update successful' };
148.  } catch (error) {

```



```

149.         throw error;
150.     }
151. };
152.
153. let deleteUserById = async (userId) => {
154.     try {
155.         const user = await db.User.findOne({ where: { id: userId } });
156.         if (!user) return { errCode: 1, errMessage: 'User not found' };
157.
158.         await user.destroy();
159.         return { errCode: 0, errMessage: 'User deleted successfully' };
160.     } catch (error) {
161.         throw error;
162.     }
163. };
164.
165. module.exports = {
166.     getAllUser: getAllUser,
167.     createNewUser: createNewUser,
168.     getUserInfoById: getUserInfoById,
169.     updateUserData: updateUserData,
170.     deleteUserById: deleteUserById,
171. };

```

userService.js

```

1. import db from '../models';
2.
3. let getUserInfoById = async (userId) => {
4.     try {
5.         const user = await db.User.findOne({
6.             where: { id: userId },
7.             attributes: { exclude: ['password'] },
8.             include: [
9.                 {
10.                     model: db.Role,
11.                     attributes: ['name']
12.                 }
13.             ]
14.         });
15.
16.         return user || null;
17.     } catch (error) {
18.         throw new Error('Database error when fetching user info');
19.     }
20. };
21.
22. export default {
23.     getUserInfoById: getUserInfoById,
24. };

```

validators.js

```

1. import db from "../models/index"
2.
3. export const checkEmailExists = async (userEmail) => {
4.     return new Promise(async (resolve, reject) => {

```

```

5.     try {
6.         let user = await db.User.findOne({
7.             where: { email: userEmail }
8.         });
9.         if (user) {
10.            resolve(true);
11.        } else {
12.            resolve(false);
13.        };
14.    } catch (e) {
15.        reject(e);
16.    }
17. });
18. };
19.
20. export const checkPhoneNumberExists = async (phoneNumber) => {
21.     try {
22.         let user = await db.User.findOne({
23.             where: { phoneNumber: phoneNumber }
24.         });
25.         return user ? true : false;
26.     } catch (error) {
27.         console.log("Error checking phoneNumber:", error);
28.         return false;
29.     }
30. };
31.
32. export const checkUserNameExists = async (userName) => {
33.     try {
34.         let user = await db.User.findOne({
35.             where: { userName: userName }
36.         });
37.         return user ? true : false;
38.     } catch (error) {
39.         console.log("Error checking userName:", error);
40.         return false;
41.     }
42. };

```

/src/utils/

sendResponse.js

```

1. const sendResponse = (res, {
2.     status = 200,
3.     errCode = 0,
4.     message = 'Success',
5.     data = null,
6.     token = null
7. }) => {
8.     const response = { errCode, message };
9.     if (data !== null) response.data = data;
10.    if (token) response.token = token;
11.
12.    return res.status(status).json(response);
13. };
14.
15. export default sendResponse;

```

/src/views/

createNewUser.ejs

```
1. <!DOCTYPE html>
2. <html lang="en">
3.
4. <head>
5.   <meta charset="UTF-8">
6.   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7.   <link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
  rel="stylesheet">
8.   <title>Create User</title>
9.   <style>
10.    body {
11.      background-color: #f8f9fa;
12.      font-family: Arial, sans-serif;
13.      padding: 30px 0;
14.    }
15.
16.    .container {
17.      background-color: #ffffff;
18.      border-radius: 10px;
19.      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
20.      padding: 40px;
21.      max-width: 600px;
22.      margin: auto;
23.    }
24.
25.    h2 {
26.      text-align: center;
27.      color: #495057;
28.      margin-bottom: 30px;
29.    }
30.
31.    .form-control,
32.    .form-select {
33.      border-radius: 10px;
34.      font-size: 16px;
35.      box-shadow: 0 1px 2px rgba(0, 0, 0, 0.1);
36.    }
37.
38.    .btn-primary {
39.      background-color: #007bff;
40.      border: none;
41.      border-radius: 10px;
42.      padding: 10px 20px;
43.      font-size: 16px;
44.      width: 100%;
45.      margin-top: 20px;
46.      transition: background-color 0.3s ease;
47.    }
48.
49.    .btn-primary:hover {
50.      background-color: #0056b3;
51.      cursor: pointer;
52.    }
53.
```

```

54.     label {
55.         font-weight: bold;
56.         color: #495057;
57.     }
58.
59.     .form-group input[type="file"] {
60.         padding: 0;
61.     }
62.
63.     .btn-group {
64.         margin-bottom: 20px;
65.         display: flex;
66.         justify-content: space-between;
67.     }
68.
69.     .btn-secondary {
70.         width: 48%;
71.     }
72. </style>
73. </head>
74.
75. <body>
76.     <div class="btn-group">
77.         <button onclick="location.href='/'" class="btn btn-secondary">Home</button>
78.         <button onclick="location.href='/user-manager'" class="btn btn-secondary">User
Manager</button>
79.     </div>
80.     <div class="container">
81.         <h2>Create New User</h2>
82.
83.         <% if (typeof errorMessage !== 'undefined' && errorMessage) { %>
84.             <div class="alert alert-danger">
85.                 <%= errorMessage %>
86.             </div>
87.         <% } %>
88.
89.         <form action="/post-create-new-user" method="POST" onsubmit="return">
90.             <p><small style="color: red;">* Required</small></p>
91.
92.             <div class="mb-3">
93.                 <label for="userName">Username <span style="color:
red;">*</span></label>
94.                 <input type="text" class="form-control" name="userName" required
value="<%= oldInput?.userName || '' %>">
95.             </div>
96.
97.             <div class="mb-3">
98.                 <label for="password">Password <span style="color:
red;">*</span></label>
99.                 <input type="password" class="form-control" name="password"
required>
100.
101.                 <% if (passwordError) { %>
102.                     <div class="text-danger mt-1">
103.                         <%= passwordError %>
104.                     </div>
105.                 <% } %>
106.             </div>
107.
108.             <div class="mb-3">

```

```

109.         <label for="email">Email</label>
110.         <input type="email" class="form-control" name="email"
value="<%= oldInput?.email || '' %>">
111.         <% if (emailError) { %>
112.             <div class="text-danger mt-1">
113.                 <%= emailError %>
114.             </div>
115.         <% } %>
116.     </div>
117.
118.     <div class="mb-3">
119.         <label for="phoneNumber">Phone number</label>
120.         <input type="text" class="form-control" name="phoneNumber"
pattern="^\d{9}$"
121.             value="<%= oldInput?.phoneNumber || '' %>">
122.         <% if (phoneError) { %>
123.             <div class="text-danger mt-1">
124.                 <%= phoneError %>
125.             </div>
126.         <% } %>
127.     </div>
128.
129.     <div class="mb-3">
130.         <label for="fullName">Full name</label>
131.         <input type="text" class="form-control" name="fullName"
value="<%= oldInput?.fullName || '' %>">
132.     </div>
133.
134.     <div class="mb-3">
135.         <label for="gender">Gender</label>
136.         <select class="form-select" name="gender">
137.             <option value="" disabled <%=!oldInput?.gender ?
'selected' : '' %>>Choose</option>
138.             <option value="M" <%=oldInput?.gender==='M' ? 'selected'
: '' %>>Male</option>
139.             <option value="F" <%=oldInput?.gender==='F' ? 'selected'
: '' %>>Female</option>
140.         </select>
141.     </div>
142.
143.     <div class="mb-3">
144.         <label for="roleId">Role <span style="color:
red;">*</span></label>
145.         <select class="form-select" name="roleId" id="roleId"
required>
146.             <option value="" disabled <%=!oldInput?.roleId ?
'selected' : '' %>>Choose</option>
147.             <option value="1" <%=oldInput?.roleId==1 ? 'selected' :
'' %>>Admin</option>
148.             <option value="2" <%=oldInput?.roleId==2 ? 'selected' :
'' %>>User</option>
149.         </select>
150.     </div>
151.
152.     <button type="submit" class="btn btn-primary">Create</button>
153. </form>
154.
155. </div>
156.

```

```
157.     </body>
158.
159.     </html>
```

homePage.ejs

```
1.  <!DOCTYPE html>
2.  <html lang="en">
3.
4.  <head>
5.    <meta charset="UTF-8">
6.    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7.    <title>Trang quản trị - Backend</title>
8.    <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet">
9.  </head>
10. <style>
11.   /* Reset mặc định */
12.   body,
13.   h1,
14.   h4,
15.   p {
16.     margin: 0;
17.     padding: 0;
18.     box-sizing: border-box;
19.   }
20.
21.   /* Toàn trang */
22.   body {
23.     font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
24.     background-color: darkgray;
25.     padding: 40px 20px;
26.     color: #333;
27.   }
28.
29.   /* Tiêu đề */
30.   h1.title {
31.     text-align: center;
32.     color: #2c3e50;
33.     margin-bottom: 10px;
34.     font-size: 4rem;
35.   }
36.
37.   h6.description {
38.     text-align: center;
39.     color: #2c3e50;
40.     margin-bottom: 60px;
41.     font-size: 2rem;
42.   }
43.
44.   /* Grid layout cho menu */
45.   .menu-grid {
46.     display: grid;
47.     grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
48.     gap: 20px;
49.     max-width: 1000px;
50.     margin: 0 auto;
```

```

51.     }
52.
53.     .menu-item {
54.         background-color: #fff;
55.         border-radius: 12px;
56.         padding: 24px;
57.         box-shadow: 0 4px 12px rgba(0, 0, 0, 0.06);
58.         transition: transform 0.2s ease, box-shadow 0.3s ease;
59.         cursor: pointer;
60.         border-left: 5px solid #0d6efd;
61.     }
62.
63.     .menu-item:hover {
64.         transform: translateY(-5px);
65.         box-shadow: 0 8px 20px rgba(0, 0, 0, 0.12);
66.         border-left-color: #0a58ca;
67.     }
68.
69.     .menu-item h4 {
70.         font-size: 1.2rem;
71.         margin-bottom: 8px;
72.         color: #0d6efd;
73.     }
74.
75.     .menu-item p {
76.         font-size: 0.95rem;
77.         color: #555;
78.     }
79. </style>
80.
81. <body>
82.     <h1 class="title">ADMIN</h1>
83.     <h6 class="description">Website Management</h6>
84.
85.     <div class="menu-grid">
86.
87.         <div class="menu-item" onclick="location.href='/user-manager'">
88.             <h4>User Manager</h4>
89.             <p>View, edit, delete user accounts</p>
90.         </div>
91.
92.         <div class="menu-item" onclick="location.href='/create-new-user'">
93.             <h4>Create New User</h4>
94.             <p>Add new user with role</p>
95.         </div>
96.
97.         <!-- ▼ Có thể thêm nhiều mục khác ở đây -->
98.         <div class="menu-item" onclick="alert('Function under construction...')">
99.             <h4>Product Manager</h4>
100.            <p>View, create, edit, delete products</p>
101.        </div>
102.
103.        <div class="menu-item" onclick="alert('Function under
construction...')">
104.            <h4>System statistics</h4>
105.            <p>Report by role or time</p>
106.        </div>
107.
108.    </div>

```

```
109.     </body>
110.
111.     </html>
```

updateUser.ejs

```
1.  <!DOCTYPE html>
2.  <html lang="en">
3.
4.  <head>
5.    <meta charset="UTF-8">
6.    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7.    <link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
  rel="stylesheet">
8.    <title>Update User</title>
9.    <style>
10.      body {
11.        background-color: #f8f9fa;
12.        font-family: Arial, sans-serif;
13.        padding: 30px 0;
14.      }
15.
16.      .container {
17.        background-color: #ffffff;
18.        border-radius: 10px;
19.        box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
20.        padding: 40px;
21.        max-width: 600px;
22.        margin: auto;
23.      }
24.
25.      h2 {
26.        text-align: center;
27.        color: #495057;
28.        margin-bottom: 30px;
29.      }
30.
31.      .form-control,
32.      .form-select {
33.        border-radius: 10px;
34.        font-size: 16px;
35.        box-shadow: 0 1px 2px rgba(0, 0, 0, 0.1);
36.      }
37.
38.      .btn-primary {
39.        background-color: #007bff;
40.        border: none;
41.        border-radius: 10px;
42.        padding: 10px 20px;
43.        font-size: 16px;
44.        width: 100%;
45.        margin-top: 20px;
46.        transition: background-color 0.3s ease;
47.      }
48.
49.      .btn-primary:hover {
50.        background-color: #0056b3;
```



```

51.         cursor: pointer;
52.     }
53.
54.     label {
55.         font-weight: bold;
56.         color: #495057;
57.     }
58.
59.     .form-group input[type="file"] {
60.         padding: 0;
61.     }
62.
63.     .btn-group {
64.         margin-bottom: 20px;
65.         display: flex;
66.         justify-content: space-between;
67.     }
68.
69.     .btn-secondary {
70.         width: 48%;
71.     }
72. </style>
73. </head>
74.
75. <body>
76.     <div class="btn-group">
77.         <button onclick="location.href='/'" class="btn btn-secondary">Home</button>
78.         <button onclick="location.href='/manager-user'" class="btn btn-secondary">User
Manager</button>
79.     </div>
80.     <div class="container">
81.         <h2>Update User</h2>
82.
83.         <% if (typeof error !== 'undefined' && error) { %>
84.             <div class="alert alert-danger">
85.                 <%= error %>
86.             </div>
87.         <% } %>
88.
89.         <form action="/update-user" method="POST" onsubmit="return
validateForm()">
90.
91.             <input type="hidden" name="id" value="<%= user.id %>">
92.
93.             <p><small style="color: red;">* Bắt buộc</small></p>
94.
95.             <div class="mb-3">
96.                 <label for="userName" class="form-label">User Name</label>
97.                 <input type="text" class="form-control" name="userName" value="<%=
user.userName %>" readonly>
98.             </div>
99.
100.             <div class="mb-3">
101.                 <label for="email" class="form-label">Email</label>
102.                 <input type="email" class="form-control" name="email"
id="email" value="<%= user.email %>">
103.                 <% if (typeof emailError !== 'undefined' && emailError) { %>
104.                     <div class="text-danger mt-1">
105.                         <%= emailError %>

```

```

106.         </div>
107.         <% } %>
108.     </div>
109.
110.     <div class="mb-3">
111.         <label for="phoneNumber" class="form-label">Phone
number</label>
112.         <input type="text" class="form-control" name="phoneNumber"
id="phoneNumber"
113.             value="<%= user.phoneNumber %>">
114.         <% if (typeof phoneError !== 'undefined' && phoneError) { %>
115.
116.             <div class="text-danger mt-1">
117.                 <%= phoneError %>
118.             </div>
119.         <% } %>
120.     </div>
121.
122.     <div class="mb-3">
123.         <label for="fullName" class="form-label">Full name</label>
124.         <input type="text" class="form-control" name="fullName"
value="<%= user.fullName %>">
125.     </div>
126.
127.     <div class="mb-3">
128.         <label for="gender" class="form-label">Gender</label>
129.         <select class="form-select" name="gender">
130.             <option value="1" <%=user.gender===true ||
user.gender===1 ? 'selected' : '' %>>Nam</option>
131.             <option value="0" <%=user.gender===false ||
user.gender===0 ? 'selected' : '' %>>Nü</option>
132.         </select>
133.     </div>
134.
135.     <div class="mb-3">
136.         <label for="roleId" class="form-label">Role</label>
137.         <select class="form-select" name="roleId" disabled>
138.             <option value="1" <%=user.roleId==1 ? 'selected' : ''
%>>Admin</option>
139.             <option value="0" <%=user.roleId==0 ? 'selected' : ''
%>>User</option>
140.         </select>
141.         <input type="hidden" name="roleId" value="<%= user.roleId
%>">
142.     </div>
143.
144.     <button type="submit" class="btn btn-primary">Update</button>
145. </form>
146.
147. </div>
148. <script>
149.     function validateForm() {
150.         document.querySelectorAll('.text-danger').forEach(el => el.innerText
= '');
151.
152.         const email = document.getElementById("email").value.trim();
153.         const phone = document.getElementById("phoneNumber").value.trim();
154.
155.         let isValid = true;

```

```

156.
157.         const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
158.         if (email && !emailPattern.test(email)) {
159.             const emailError = document.createElement('div');
160.             emailError.className = 'text-danger mt-1';
161.             emailError.innerText = "Email không hợp lệ.";
162.             document.getElementById("email").parentNode.appendChild(emailError);
163.             isValid = false;
164.         }
165.
166.         const phonePattern = /^0\d{9}$/;
167.         if (phone && !phonePattern.test(phone)) {
168.             const phoneError = document.createElement('div');
169.             phoneError.className = 'text-danger mt-1';
170.             phoneError.innerText = "Số điện thoại phải gồm 10 số và bắt đầu
bằng số 0.";
171.             document.getElementById("phoneNumber").parentNode.appendChild(phoneError);
172.             isValid = false;
173.         }
174.
175.         return isValid;
176.     }
177. </script>
178.
179. </body>
180.
181. </html>

```

userManager.ejs

```

1. <!DOCTYPE html>
2. <html lang="en">
3.
4. <head>
5.     <meta charset="UTF-8">
6.     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7.     <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">
8.     <title>Manager User</title>
9.     <style>
10.         .table th,
11.         .table td {
12.             vertical-align: middle;
13.             padding: 10px 15px;
14.             text-align: center;
15.         }
16.
17.         .table-hover tbody tr:hover {
18.             background-color: #f1f1f1;
19.             transition: background-color 0.3s ease;
20.         }
21.
22.         .btn-outline-warning,
23.         .btn-outline-danger {
24.             font-weight: bold;

```

```

25.         padding: 10px 15px;
26.         border-radius: 5px;
27.         transition: all 0.3s ease;
28.     }
29.
30.     .btn-outline-warning:hover {
31.         background-color: #ffc107;
32.         border-color: #ffc107;
33.         color: white;
34.     }
35.
36.     .btn-outline-danger:hover {
37.         background-color: #dc3545;
38.         border-color: #dc3545;
39.         color: white;
40.     }
41.
42.     .table-container {
43.         background-color: #f8f9fa;
44.         padding: 20px;
45.         border-radius: 10px;
46.         box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
47.         margin-top: 30px;
48.     }
49.
50.     .table-sm th,
51.     .table-sm td {
52.         padding: 5px 10px;
53.     }
54. </style>
55. </head>
56.
57. <body>
58.     <div class="container table-container">
59.         <h2 class="my-4 text-center text-dark">Manager User</h2>
60.         <div class="d-flex justify-content-between mt-4">
61.             <button onclick="location.href='/'" class="btn btn-
secondary">HomePage</button>
62.             <button onclick="location.href='/create-new-user'" class="btn btn-
success">Tạo tài khoản</button>
63.         </div>
64.         <table class="table table-dark table-hover table-sm">
65.             <thead>
66.                 <tr>
67.                     <th>Username</th>
68.                     <th>Email</th>
69.                     <th>Phone</th>
70.                     <th>Full name</th>
71.                     <th>Gender</th>
72.                     <th>Role</th>
73.                     <th>Action</th>
74.                 </tr>
75.             </thead>
76.             <tbody>
77.                 <% for (let user of dataTable) { %>
78.                     <tr>
79.                         <td>
80.                             <%= user.userName || 'Null' %>
81.                         </td>

```

```

82.         <td>
83.             <%= user.email || 'Null' %>
84.         </td>
85.         <td>
86.             <%= user.phoneNumber || 'Null' %>
87.         </td>
88.         <td>
89.             <%= user.fullName || 'Null' %>
90.         </td>
91.         <td>
92.             <% if (user.gender==='M' ) { %>Nam
93.                 <% } else if (user.gender==='F' ) { %>Nữ
94.                 <% } else { %>Null<% } %>
95.         </td>
96.         <td>
97.             <%= user.Role?.name || 'Null' %>
98.         </td>
99.         <td>
100.            <a href="/edit-user?id=<%= user.id %>" class="btn btn-
outline-warning">Edit</a>
101.            <a href="javascript:void(0)" onclick="confirmDelete(<%=
user.id %>, '<%= user.loginName %>')'"
102.                class="btn btn-outline-danger">Delete</a>
103.        </td>
104.    </tr>
105.    <% } %>
106. </tbody>
107. </table>
108. </div>
109.
110. <script>
111.     function confirmDelete(userId, userName) {
112.         if (confirm("Bạn có chắc muốn xóa tài khoản '" + userName + "'
không?")) {
113.             window.location.href = '/delete-user?id=' + userId;
114.         }
115.     }
116. </script>
117. </body>
118.
119. </html>

```

/src/.gitignore/

.gitignore

```

1. /node_modules
2. /vendor
3. /.idea
4. .idea/
5. .env

```

/src/server

server.js

```
1. import path from 'path';
2. import { config } from 'dotenv';
3. import express from "express";
4. import bodyParser from "body-parser";
5. import cors from "cors";
6. import viewEngine from "../config/viewEngine";
7. import initRoutes from '../routes/web';
8. import connectDB from '../config/connectDB';
9.
10. // Load biến môi trường từ .env
11. config({ path: path.resolve(__dirname, '../.env') });
12.
13. const app = express();
14.
15. // ✅ Cấu hình CORS cho phép frontend truy cập backend
16. app.use(cors({
17.   origin: 'http://localhost:3000',
18.   methods: ['GET', 'POST', 'PUT', 'DELETE'],
19.   credentials: true
20. }));
21.
22. // ✅ Bổ sung header để cho phép Authorization
23. app.use((req, res, next) => {
24.   res.header('Access-Control-Allow-Headers', 'Origin, X-Requested-With, Content-Type, Accept, Authorization');
25.   next();
26. });
27.
28. // ✅ Parse body của request
29. app.use(bodyParser.json());
30. app.use(bodyParser.urlencoded({ extended: true }));
31.
32. // ✅ Khởi tạo view engine nếu bạn đang dùng EJS cho các route test
33. viewEngine(app);
34.
35. // ✅ Khai báo các route API/web
36. initRoutes(app);
37.
38. // ✅ Kết nối cơ sở dữ liệu
39. connectDB();
40.
41. // ✅ Chạy server trên cổng .env hoặc 8080 mặc định
42. const port = process.env.PORT || 5050;
43. app.listen(port, () => {
44.   console.log("Dự án NguyenLien đã chạy THÀNH CÔNG trên CỔNG " + port + " !!!");
45. });
```

/.babelrc

.babelrc

```
1. {
2.   "presets": [
3.     "@babel/preset-env"
4.   ]
5. }
```

/.env

.env

```
1. PORT=8080
2. NODE_ENV=development
3. JWT_SECRET=nguyenlien-secret-key
4. JWT_EXPIRES=1d
```

/package.json

package.json

```
1. {
2.   "name": "backend-nodejs-nguyenlienproject",
3.   "version": "1.0.0",
4.   "main": "server.js",
5.   "scripts": {
6.     "start": "nodemon --exec ./node_modules/.bin/babel-node src/server.js",
7.     "dev": "nodemon src/server.js",
8.     "test": "echo \\\"No test defined\\\"",
9.     "migrate": "sequelize-cli db:migrate",
10.    "seed": "sequelize-cli db:seed:all"
11.  },
12.   "author": "PhamAnhKhoi",
13.   "license": "ISC",
14.   "description": "manager",
15.   "dependencies": {
16.     "bcrypt": "^6.0.0",
17.     "bcryptjs": "^3.0.2",
18.     "body-parser": "^1.19.0",
19.     "cors": "^2.8.5",
20.     "dotenv": "^8.6.0",
21.     "ejs": "^3.1.5",
22.     "express": "^4.17.1",
23.     "jsonwebtoken": "^9.0.2",
24.     "mysql2": "^3.14.1",
25.     "sequelize": "^6.37.7",
26.     "slugify": "^1.6.6",
```

```

27.   "validator": "^13.15.0"
28. },
29. "devDependencies": {
30.   "@babel/core": "^7.12.10",
31.   "@babel/node": "^7.12.10",
32.   "@babel/preset-env": "^7.12.10",
33.   "nodemon": "^2.0.7",
34.   "sequelize-cli": "^6.6.3"
35. }
36. }

```

Frontend – React / JS

public/

server/

src/

src/assets/

src/components/

src/components/footer/

Footer.js/

```

import React, { Component } from 'react';
import { connect } from 'react-redux';

import * as actions from "../../store/actions";
import Navigator from '../../components/Navigator';
import './Footer.scss';

class Footer extends Component {

  render() {
    const { processLogout } = this.props;

    return (
      <div className="footer-container">
        Hello, this is the footer section.
      </div>
    );
  }
}

```



```

    }
  }

  const mapStateToProps = state => {
    return {
      isLoggedIn: state.admin.isLoggedIn
    };
  };

  const mapDispatchToProps = dispatch => {
    return {
      processLogout: () => dispatch(actions.processLogout()),
    };
  };

  export default connect(mapStateToProps, mapDispatchToProps)(Footer);

```

Footer.scss

src/components/formating/

FormattedDate.js/

```

import React, { Component } from 'react';
import moment from 'moment';

/** For valid format please see <a href="https://momentjs.com/docs/#/displaying/">Moment format options</a> */
const dateFormat = 'DD/MM/YYYY';

class FormattedDate extends Component {

  render() {
    const { format, value, ...otherProps } = this.props;
    var dFormat = format ? format : dateFormat;
    const formattedValue = value ? moment.utc(value).format(dFormat) : null;
    return (
      <span {...otherProps}>{formattedValue}</span>
    );
  }
}

export default FormattedDate;

```

index.js

```
export { default as FormattedDate } from './FormattedDate';
```

src/components/feader/

Header.js

```

import React, { Component } from 'react';
import { connect } from 'react-redux';

import * as actions from "../../store/actions";
import Navigator from "../../components/Navigator";

```

```

import { adminMenu } from './menuApp';
import './Header.scss';

class Header extends Component {

  render() {
    const { processLogout } = this.props;

    return (
      <div className="header-container">
        { /* thanh navigator */ }
        <div className="header-tabs-container">
          <Navigator menus={adminMenu} />
        </div>

        { /* nút logout */ }
        <div className="btn btn-logout" onClick={processLogout}>
          <i className="fas fa-sign-out-alt"></i>
        </div>
      </div>
    );
  }
}

const mapStateToProps = state => {
  return {
    isLoggedIn: state.admin.isLoggedIn
  };
};

const mapDispatchToProps = dispatch => {
  return {
    processLogout: () => dispatch(actions.processLogout()),
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(Header);

```

Header.scss

```

@import "../../styles/common.scss";

.header-container {
  z-index: 99;
  display: flex;
  justify-content: space-between;
  background-color: $colormain;
  color: $common-text-color;
  height: 40px;
  position: relative;
  .btn-logout {
    color: $common-text-color;
    line-height: 40px;
    height: 40px;
    padding: 0 10px;
    &:hover {
      background-color: darken($colormain, 5);
    }
  }
}

```

```

    }
    i {
      font-size: $base-size + 1px;
    }
  }
}

```

menuApp.js

```

export const adminMenu = [
  { //hệ thống
    name: 'menu.system.header', menus: [
      {
        name: 'menu.system.system-administrator.header',
        subMenus: [
          { name: 'menu.system.system-administrator.user-manage', link: '/system/user-manage' },
          { name: 'menu.system.system-administrator.product-manage', link: '/system/product-manage' },
          { name: 'menu.system.system-administrator.register-package-group-or-account', link: '/system/register-package-group-or-account' },
        ]
      },
      // { name: 'menu.system.system-parameter.header', link: '/system/system-parameter' },
    ]
  },
];

```

src/components/input/

DatePicker.js

```

import React, { Component } from 'react';
import Flatpickr from 'react-flatpickr';
import moment from 'moment';

import { KeyCodeUtils } from "../../utils";
import './DatePicker.scss';

// const CustomInput = ({ value, defaultValue, inputRef, onChange, onInputBlur, ...props }) => {
//   return <input {...props} className='custom-form-control custom-date-input'
//     defaultValue={defaultValue} ref={inputRef}
//     onChange={onChange}
//     onBlur={onInputBlur}
//   />;
// };

class DatePicker extends Component {

  flatpickrNode = null;

  nodeRef = element => {
    this.flatpickr = element && element.flatpickr;
    this.flatpickrNode = element && element.node;
    if (this.flatpickrNode) {
      this.flatpickrNode.addEventListener('blur', this.handleBlur);
      this.flatpickrNode.addEventListener('keydown', this.handlerKeyDown);
    }
  };
}

```

```

    }
  };

  handlerKeyDown = (event) => {
    const keyCode = event.which || event.keyCode;
    if (keyCode === KeyCodeUtils.ENTER) {
      event.preventDefault();
      const { onChange } = this.props;
      const value = event.target.value;

      // Take the blur event and process the string value
      const valueMoment = moment(value, 'DD/MM/YYYY');
      onChange([valueMoment.toDate(), valueMoment.toDate()]);
    }
  }

  componentWillUnmount() {
    if (this.flatpickrNode) {
      this.flatpickrNode.removeEventListener('blur', this.handleBlur);
      this.flatpickrNode.removeEventListener('keydown', this.handlerKeyDown);
    }
  }

  handleBlur = (event) => {
    const { onChange } = this.props;
    const value = event.target.value;

    // Take the blur event and process the string value
    event.preventDefault();
    const valueMoment = moment(value, 'DD/MM/YYYY');
    onChange([valueMoment.toDate(), valueMoment.toDate()]);
  };

  onOpen = () => {
    if (this.flatpickrNode) {
      this.flatpickrNode.blur();
    }
  }

  close() {
    this.flatpickr.close();
  }

  checkDateValue = (str, max) => {
    if (str.charAt(0) !== '0' || str === '00') {
      var num = parseInt(str);
      if (isNaN(num) || num <= 0 || num > max) num = 1;
      str = num > parseInt(max.toString().charAt(0)) && num.toString().length === 1 ? '0' +
num : num.toString();
    };
    return str;
  }

  // autoFormatonBlur = (value) => {
  //   var input = value;
  //   var values = input.split('/').map(function (v, i) {
  //     return v.replace(/\D/g, '')
  //   });
  //   var output = '';

```

```

//      if (values.length == 3) {
//          var year = values[2].length !== 4 ? parseInt(values[2]) + 2000 : parseInt(values[2]);
//          var month = parseInt(values[0]) - 1;
//          var day = parseInt(values[1]);
//          var d = new Date(year, month, day);
//          if (!isNaN(d)) {
//              //document.getElementById('result').innerText = d.toString();
//              var dates = [d.getMonth() + 1, d.getDate(), d.getFullYear()];
//              output = dates.map(function (v) {
//                  v = v.toString();
//                  return v.length == 1 ? '0' + v : v;
//              }).join(' / ');
//          };
//      };
//      // this.value = output;
//      return output;
//  }

autoFormatOnChange = (value, seperator) => {
    var input = value;

    let regexForDeleting = new RegExp(`\\D\\${seperator}$`);

    //if (/\\D\\$/g.test(input)) input = input.substr(0, input.length - 3); // dat.nt: Xóa thêm 1
    ký tự nếu xóa dấu cách sau / (VD: 12 / 12 => 12 / 1)

    if (regexForDeleting.test(input)) input = input.substr(0, input.length - 3);

    var values = input.split(seperator).map(function (v) {
        return v.replace(/\\D/g, '')
    });

    if (values[0]) values[0] = this.checkDateValue(values[0], 31);
    if (values[1]) values[1] = this.checkDateValue(values[1], 12);
    var output = values.map(function (v, i) {
        return v.length === 2 && i < 2 ? v + ' ' + seperator + ' ' : v;
    });
    return output.join(' ').substr(0, 14);
}

onInputChange = (e) => {
    if (this.DISPLAY_FORMAT === this.DATE_FORMAT_AUTO_FILL) {
        let converted = this.autoFormatOnChange(e.target.value, this.SEPERATOR);
        e.target.value = converted;
    }
}

onInputBlur = (e) => {
}

//dat.nt : Auto Fill cho dạng ngăn cách và format cụ thể (seperator có thể dc thay thế)
SEPERATOR = "/";
DATE_FORMAT_AUTO_FILL = "d/m/Y"; // Format không thay đổi

// dat.nt : Format ngày hiển thị
DISPLAY_FORMAT = "d/m/Y";

render() {

```

```

const { value, onChange, minDate, onClose, ...otherProps } = this.props;
const options = {
  dateFormat: this.DISPLAY_FORMAT,
  allowInput: true,
  disableMobile: true,
  onClose: onClose,
  onOpen: this.onOpen
};
if (minDate) {
  options.minDate = minDate;
}
return (
  <Flatpickr
    ref={this.nodeRef}
    value={value}
    onChange={onChange}
    options={options}
    // render={
    //   ({ defaultValue, value, ...props }, ref) => {
    //     return <CustomInput defaultValue={defaultValue} inputRef={ref}
onInputChange={this.onInputChange} onInputBlur={this.onInputBlur} />
    //   }
    // }
    {...otherProps}
  />
);
}
}

export default DatePicker;

```

DatePicker.scss

```

@import "../styles/common";

$bezier: cubic-bezier(0.23, 1, 0.32, 1);
$slideTime: 400ms;

$daySize: 39px;
$padding: $daySize / 16;
$dayMargin: 2px;
$daysWidth: $daySize * 7 + $dayMargin * 14 + $padding * 2 + 2;
$calendarWidth: $daysWidth;

$monthNavHeight: 28px !default;
$weekdaysHeight: 28px !default;
$timeHeight: 40px;

$disabledBorderColor: transparent;

$selectedDayForeground: #fff;
$selectedDayBackground: $colormain;

input {
  &.custom-date-input {
    word-spacing: -3px
  }
}

```

```

@-webkit-keyframes fpFadeInDown {
  from {
    opacity: 0;
    transform: translate3d(0, -20px, 0);
  }

  to {
    opacity: 1;
    transform: translate3d(0, 0, 0);
  }
}

@-moz-keyframes fpFadeInDown {
  from {
    opacity: 0;
    transform: translate3d(0, -20px, 0);
  }

  to {
    opacity: 1;
    transform: translate3d(0, 0, 0);
  }
}

@-ms-keyframes fpFadeInDown {
  from {
    opacity: 0;
    transform: translate3d(0, -20px, 0);
  }

  to {
    opacity: 1;
    transform: translate3d(0, 0, 0);
  }
}

@-o-keyframes fpFadeInDown {
  from {
    opacity: 0;
    transform: translate3d(0, -20px, 0);
  }

  to {
    opacity: 1;
    transform: translate3d(0, 0, 0);
  }
}

@keyframes fpFadeInDown {
  from {
    opacity: 0;
    transform: translate3d(0, -20px, 0);
  }

  to {
    opacity: 1;
    transform: translate3d(0, 0, 0);
  }
}

```

```

}

.flatpickr-calendar {
  background: transparent;
  opacity: 0;
  display: none;
  text-align: center;
  visibility: hidden;
  padding: 0;
  animation: none;
  direction: ltr;
  border: 0;
  font-size: 14px;
  line-height: 24px;
  border-radius: 5px;
  position: absolute;
  width: $calendarWidth;
  box-sizing: border-box;
  touch-action: manipulation;

  &.open, &.inline {
    opacity: 1;
    max-height: 640px;
    visibility: visible;
  }

  &.open {
    display: inline-block;
    z-index: 99999;
  }

  &.animate.open {
    animation: fpFadeInDown 300ms $bezier;
  }

  &.inline {
    display: block;
    position: relative;
    top: 2px;
  }

  &.static {
    position: absolute;
    top: calc(100% + 2px);

    &.open {
      z-index: 999;
      display: block;
    }
  }

  &.multiMonth {
    .flatpickr-days .dayContainer:nth-child(n+1) {
      & .flatpickr-day.inRange:nth-child(7n+7) {
        box-shadow: none !important;
      }
    }
  }

  .flatpickr-days .dayContainer:nth-child(n+2) {

```



```

    & .flatpickr-day.inRange:nth-child(7n+1) {
      box-shadow: -2px 0 0 #e6e6e6, 5px 0 0 #e6e6e6;
    }
  }
}

.hasWeeks, .hasTime {
  .dayContainer {
    border-bottom: 0;
    border-bottom-right-radius: 0;
    border-bottom-left-radius: 0;
  }
}

&.showTimeInput.hasTime {
  .flatpickr-time {
    height: $timeHeight;
  }
}

&.noCalendar.hasTime {
  .flatpickr-time {
    height: auto;
  }
}

&:before, &:after {
  position: absolute;
  display: block;
  pointer-events: none;
  border: solid transparent;
  content: '';
  height: 0;
  width: 0;
  left: 22px;
}

&.rightMost {
  &:before, &:after {
    left: auto;
    right: 22px;
  }
}

&:before {
  border-width: 5px;
  margin: 0 -5px;
}

&:after {
  border-width: 4px;
  margin: 0 -4px;
}

&.arrowTop {
  &:before, &:after {
    bottom: 100%;
  }
}

```

```

&.arrowBottom {
  &:before, &:after {
    top: 100%;
  }
}

&:focus {
  outline: 0;
}

.flatpickr-months {
  display: flex;

  .flatpickr-month {
    height: $monthNavHeight;
    line-height: 1;
    text-align: center;
    position: relative;
    user-select: none;
    overflow: hidden;
    flex: 1;
  }

  .flatpickr-prev-month, .flatpickr-next-month {
    text-decoration: none;
    cursor: pointer;
    position: absolute;
    top: 0;
    line-height: 16px;
    height: $monthNavHeight;
    padding: 10px;
    z-index: 3;

    &.disabled {
      display: none;
    }

    i {
      position: relative;
    }

    &.flatpickr-prev-month {
      left: 0;
    }

    &.flatpickr-next-month {
      right: 0;
    }

    svg {
      width: 14px;
      height: 14px;

      path {
        transition: fill 0.1s;
      }
    }
  }
}

```

```

    }
  }

  background: $date-picker-bg;
  box-shadow: 1px 0 0 $date-picker-border, -1px 0 0 $date-picker-border, 0 1px 0 $date-picker-
border, 0 -1px 0 $date-picker-border, 0 3px 13px rgba(black, 0.08);

  &.arrowTop {
    &:before {
      border-bottom-color: $date-picker-border;
    }
    &:after {
      border-bottom-color: $date-picker-bg;
    }
  }

  &.arrowBottom {
    &:before {
      border-top-color: $date-picker-border;
    }
    &:after {
      border-top-color: $date-picker-bg;
    }
  }

  &.showTimeInput.hasTime {
    .flatpickr-time {
      border-top: 1px solid $date-picker-border;
    }
  }

  .flatpickr-months {
    .flatpickr-month {
      background: $date-picker-month-bg;
      color: $date-picker-month-fg;
      fill: $date-picker-month-fg;
    }

    .flatpickr-prev-month, .flatpickr-next-month {
      color: $date-picker-month-fg;
      fill: $date-picker-month-fg;

      &:hover {
        color: $date-picker-today-bg;
        svg {
          fill: $date-picker-arrow-hover;
        }
      }
    }
  }
}

.flatpickr-wrapper {
  position: relative;
  display: inline-block;
}

.numInputWrapper {
  position: relative;

```

```

height: auto;

input, span {
  display: inline-block;
}

input {
  width: 100%;
  &::-ms-clear {
    display: none;
  }

  &::-webkit-outer-spin-button, &::-webkit-inner-spin-button {
    margin: 0;
    -webkit-appearance: none;
  }
}

span {
  position: absolute;
  right: 0;
  width: 14px;
  padding: 0 4px 0 2px;
  height: 50%;
  line-height: 50%;
  opacity: 0;
  cursor: pointer;
  box-sizing: border-box;

  &:after {
    display: block;
    content: "";
    position: absolute;
  }

  &.arrowUp {
    top: 0;
    border-bottom: 0;

    &:after {
      top: 26%;
    }
  }

  &.arrowDown {
    top: 50%;

    &:after {
      top: 40%;
    }
  }

  svg {
    width: inherit;
    height: auto;
  }
}

&:hover {

```

```

    span {
      opacity: 1;
    }
  }

  span {
    border: 1px solid rgba($date-picker-day-fg, 0.15);

    &:hover {
      background: rgba(invert($date-picker-bg), 0.1);
    }

    &:active {
      background: rgba(invert($date-picker-bg), 0.2);
    }

    &.arrowUp {
      &:after {
        border-left: 4px solid transparent;
        border-right: 4px solid transparent;
        border-bottom: 4px solid rgba($date-picker-day-fg, 0.6);
      }
    }

    &.arrowDown {
      &:after {
        border-left: 4px solid transparent;
        border-right: 4px solid transparent;
        border-top: 4px solid rgba($date-picker-day-fg, 0.6);
      }
    }

    svg {
      path {
        fill: rgba($date-picker-month-fg, 0.5);
      }
    }
  }

  &:hover {
    background: rgba(invert($date-picker-bg), 0.05);
  }
}

.flatpickr-current-month {
  font-size: 135%;
  font-weight: 300;
  color: inherit;
  position: absolute;
  width: 75%;
  left: 12.5%;
  padding: 0.22 * $monthNavHeight 0 0 0;
  line-height: 1;
  height: $monthNavHeight;
  display: inline-block;
  text-align: center;
  transform: translate3d(0px, 0px, 0px);
}

span.cur-month {

```

```

font-family: inherit;
font-weight: 700;
color: inherit;
display: inline-block;
margin-left: 0.5ch;
padding: 0;
}

.numInputWrapper {
width: 6ch;
display: inline-block;
}

input.cur-year {
background: transparent;
box-sizing: border-box;
color: inherit;
cursor: text;
padding: 0 0 0 0.5ch;
margin: 0;
display: inline-block;
font-size: inherit;
font-family: inherit;
font-weight: 300;
line-height: inherit;
height: auto;
border: 0;
border-radius: 0;
vertical-align: initial;
-webkit-appearance: textfield;
-moz-appearance: textfield;
appearance: textfield;

&:focus {
outline: 0;
}

&[disabled], &[disabled]:hover {
font-size: 100%;
pointer-events: none;
}
}

span.cur-month {
&:hover {
background: rgba(invert($date-picker-bg), 0.05);
}
}

.numInputWrapper {
span.arrowUp:after {
border-bottom-color: $date-picker-month-fg;
}

span.arrowDown:after {
border-top-color: $date-picker-month-fg;
}
}

```

```

    input.cur-year {
      &[disabled], &[disabled]:hover {
        color: rgba($date-picker-month-fg, 0.5);
        background: transparent;
      }
    }
  }
}

.flatpickr-monthDropdown-months {
  border: none;
  border-radius: 0;
  box-sizing: border-box;
  color: inherit;
  cursor: pointer;
  font-size: inherit;
  font-family: inherit;
  font-weight: 300;
  height: $monthNavHeight - 6px;
  line-height: inherit;
  margin: -1px 0 0 0;
  outline: none;
  padding: 0 0 0 0.5ch;
  position: relative;
  vertical-align: initial;
  -webkit-box-sizing: border-box;
  -webkit-appearance: none;
  -moz-appearance: none;
  appearance: none;
  width: auto;

  &:focus, &:active {
    outline: none;
  }

  .flatpickr-monthDropdown-month {
    outline: none;
    padding: 0;
  }

  background: $date-picker-month-bg;

  &:hover {
    background: rgba(invert($date-picker-bg), 0.05);
  }

  .flatpickr-monthDropdown-month {
    background-color: $date-picker-month-bg;
  }
}

.flatpickr-weekdays {
  text-align: center;
  overflow: hidden;
  width: 100%;
  display: flex;
  align-items: center;
  height: $weekdaysHeight;

  .flatpickr-weekdaycontainer {

```

```

        display: flex;
        flex: 1;
    }

    background: $date-picker-weekdays-bg;
}

span.flatpickr-weekday {
    cursor: default;
    font-size: 90%;
    line-height: 1;
    margin: 0;
    text-align: center;
    display: block;
    flex: 1;
    font-weight: bolder;

    background: $date-picker-month-bg;
    color: $date-picker-weekdays-fg;
}

.dayContainer, .flatpickr-weeks {
    padding: 1px 0 0 0;
}

.flatpickr-days {
    position: relative;
    overflow: hidden;
    display: flex;
    align-items: flex-start;
    width: $daysWidth;

    &:focus {
        outline: 0;
    }
}

.dayContainer {
    padding: 0;
    outline: 0;
    text-align: left;
    width: $daysWidth;
    min-width: $daysWidth;
    max-width: $daysWidth;
    box-sizing: border-box;
    display: inline-block;
    display: -ms-flexbox;
    display: flex;
    flex-wrap: wrap;
    -ms-flex-wrap: wrap;
    -ms-flex-pack: justify;
    justify-content: space-around;
    transform: translate3d(0px, 0px, 0px);
    opacity: 1;

    & + .dayContainer {
        box-shadow: -1px 0 0 $date-picker-border;
    }
}

```



```

.flatpickr-day {
  background: none;
  border: 1px solid transparent;
  border-radius: 150px;
  box-sizing: border-box;
  cursor: pointer;

  font-weight: 400;
  width: 14.2857143%;
  flex-basis: 14.2857143%;
  max-width: $daySize;
  height: $daySize;
  line-height: $daySize;
  margin: 0;

  display: inline-block;
  position: relative;
  justify-content: center;
  text-align: center;

  &, &.prevMonthDay, &.nextMonthDay {
    &.inRange, &.today.inRange, &:hover, &:focus {
      cursor: pointer;
      outline: 0;
    }
  }

  &.selected, &.startRange, &.endRange {
    &.startRange {
      border-radius: 50px 0 0 50px;
    }

    &.endRange {
      border-radius: 0 50px 50px 0;
    }

    &.startRange.endRange {
      border-radius: 50px;
    }
  }

  &.inRange {
    border-radius: 0;
  }

  &.flatpickr-disabled, &.flatpickr-disabled:hover,
  &.prevMonthDay, &.nextMonthDay,
  &.notAllowed, &.notAllowed.prevMonthDay, &.notAllowed.nextMonthDay {
    cursor: default;
  }

  &.flatpickr-disabled, &.flatpickr-disabled:hover {
    cursor: not-allowed;
  }

  &.week.selected {
    border-radius: 0;
  }
}

```

```

&.hidden {
  visibility: hidden;
}

background: none;
border: 1px solid transparent;
color: $date-picker-day-fg;

&, &.prevMonthDay, &.nextMonthDay {
  &.inRange, &.today.inRange, &:hover, &:focus {
    background: $date-picker-day-hover-bg;
    border-color: $date-picker-day-hover-bg;
  }
}

&.today {
  border-color: $date-picker-today-border;

  &:hover, &:focus {
    border-color: $date-picker-today-border;
    background: $date-picker-today-bg;
    color: $date-picker-today-fg;
  }
}

&.selected, &.startRange, &.endRange {
  &, &.inRange, &:focus, &:hover, &.prevMonthDay, &.nextMonthDay {
    background: $selectedDayBackground;
    box-shadow: none;
    color: $selectedDayForeground;
    border-color: $selectedDayBackground;
  }

  &.startRange + .endRange:not(:nth-child(7n+1)) {
    box-shadow: -5 * $dayMargin 0 0 $selectedDayBackground;
  }
}

&.inRange {
  border-radius: 0;
  box-shadow: -2.5 * $dayMargin 0 0 $date-picker-day-hover-bg, 2.5 * $dayMargin 0 0 $date-
picker-day-hover-bg;
}

&.flatpickr-disabled, &.flatpickr-disabled:hover,
&.prevMonthDay, &.nextMonthDay,
&.notAllowed, &.notAllowed.prevMonthDay, &.notAllowed.nextMonthDay {
  color: rgba($date-picker-day-fg, 0.3);
  background: transparent;
  border-color: $disabledBorderColor;
}

&.flatpickr-disabled, &.flatpickr-disabled:hover {
  color: rgba($date-picker-day-fg, 0.1);
}
}

.rangeMode .flatpickr-day {

```

```

margin-top: 1px;
}

.flatpickr-weekwrapper {
  float: left;

  .flatpickr-weeks {
    padding: 0 12px;
  }

  .flatpickr-weekday {
    float: none;
    width: 100%;
    line-height: $weekdaysHeight;
  }

  span.flatpickr-day {
    &, &:hover {
      display: block;
      width: 100%;
      max-width: none;
      cursor: default;
    }
  }
}

.flatpickr-weeks {
  box-shadow: 1px 0 0 $date-picker-border;
}

span.flatpickr-day {
  &, &:hover {
    color: rgba($date-picker-day-fg, 0.3);
    background: transparent;
    border: none;
  }
}

.flatpickr-innerContainer {
  display: flex;
  box-sizing: border-box;
  overflow: hidden;
}

.flatpickr-rContainer {
  display: inline-block;
  padding: 0;
  box-sizing: border-box;
}

.flatpickr-time {
  text-align: center;
  outline: 0;
  height: 0;
  line-height: $timeHeight;
  max-height: $timeHeight;
  box-sizing: border-box;
  overflow: hidden;
  display: flex;

```

```

&:after {
  content: "";
  display: table;
  clear: both;
}

.numInputWrapper {
  flex: 1;
  width: 40%;
  height: $timeHeight;
  float: left;
}

&.hasSeconds .numInputWrapper {
  width: 26%;
}

&.time24hr .numInputWrapper {
  width: 49%;
}

input {
  background: transparent;
  box-shadow: none;
  border: 0;
  border-radius: 0;
  text-align: center;
  margin: 0;
  padding: 0;
  height: inherit;
  line-height: inherit;
  font-size: 14px;
  position: relative;
  box-sizing: border-box;
  -webkit-appearance: textfield;
  -moz-appearance: textfield;
  appearance: textfield;

  &.flatpickr-hour {
    font-weight: bold;
  }

  &.flatpickr-minute, &.flatpickr-second {
    font-weight: 400;
  }

  &:focus {
    outline: 0;
    border: 0;
  }
}

.flatpickr-time-separator, .flatpickr-am-pm {
  height: inherit;
  float: left;
  line-height: inherit;
  font-weight: bold;
  width: 2%;
}

```

```

    user-select: none;
    align-self: center;
  }

  .flatpickr-am-pm {
    outline: 0;
    width: 18%;
    cursor: pointer;
    text-align: center;
    font-weight: 400;
  }

  .numInputWrapper {
    span.arrowUp:after {
      border-bottom-color: $date-picker-day-fg;
    }

    span.arrowDown:after {
      border-top-color: $date-picker-day-fg;
    }
  }

  input {
    color: $date-picker-day-fg;
  }

  .flatpickr-time-separator, .flatpickr-am-pm {
    color: $date-picker-day-fg;
  }

  input, .flatpickr-am-pm {
    &:hover, &:focus {
      background: lighten($date-picker-day-hover-bg, 3);
    }
  }
}

.flatpickr-input[readonly] {
  cursor: pointer;
}

```

Index.js

```

export { default as DatePicker } from './DatePicker';
export { default as InputSuggest } from './InputSuggest';

```

InputSuggest.js

```

import React from 'react';
import Autosuggest from 'react-autosuggest';
import { connect } from 'react-redux';
import _ from 'lodash';

import './InputSuggest.scss';

const isAlphaNumericChar = keycode => {
  return (keycode >= 48 && keycode <= 57) || (keycode >= 65 && keycode <= 90);
}

```

```

});

class InputSuggestion extends React.Component {
  constructor() {
    super();

    this.state = {
      textInput: '',
      suggestions: []
    };
    document.addEventListener('keydown', this.freeTyping.bind(this), false);
  }

  freeTyping(e) {
    if (!isAlphaNumericChar(e.keyCode)) {
      return;
    }
    if (e.target.value === undefined) {
      this.inputSearch.focus();
    }
  }

  getSuggestions = textInput => {
    // if (!textInput || textInput.length === 0) return []; //chưa nhập -> chưa gợi ý
    const inputValue = textInput.trim().toLowerCase();

    if (!this.props.inputsWithIndex) {
      return [{ textInput: textInput }];
    };
    let inputsWithIndex = this.props.inputsWithIndex;
    let keyArr = Object.keys(inputsWithIndex).filter(
      textInput => {
        return textInput.toLowerCase().indexOf(inputValue) >= 0
      }
    );
    var suggestArr = keyArr.map(function (key) {
      return inputsWithIndex[key];
    });

    return suggestArr;
  };

  storeInputReference = autosuggest => {
    if (autosuggest !== null) {
      this.inputSearch = autosuggest.input;
    }
  };

  shouldRenderSuggestions = value => {
    return true;
  };

  getSuggestionValue = suggestion => {
    this.props.onSelected(suggestion);
    return suggestion.displayName;
  }

  renderSuggestion = suggestion => {
    return (

```

```

        <div className="suggest-item">
            {suggestion.displayName}
        </div>
    );
};

onSuggestionsFetchRequested = ({ value }) => {
    this.setState({
        suggestions: this.sortSuggestions(this.getSuggestions(value), value)
    });
};

sortSuggestions(suggestions, value) {
    var results = _.sortBy(suggestions, (element) => {
        return element.displayName
    })
    return results;
}

onSuggestionsClearRequested = () => {
    this.setState({
        suggestions: []
    });
};

onSuggestionSelected = (event, selected) => {
    this.props.onSelected(selected.suggestion)
    this.setState({
        textInput: selected.suggestion && selected.suggestion.displayName
    });
};

handleChangeInput = (event, { newValue }) => {
    this.setState({
        textInput: newValue || ''
    });
};

reset() {
    this.setState({
        textInput: ''
    });
    this.onSuggestionsFetchRequested({ value: '' });
}

handleBlurInput() {
    // this.setState({
    //     textInput: ''
    // });
}

render() {
    const { textInput, suggestions } = this.state;
    const inputProps = {
        value: textInput,
        className: "custom-form-control",
        onChange: this.handleChangeInput,
        onClick: () => {
            this.reset();

```

```

    },
    onBlur: () => {
      this.handleBlurInput();
    }
  };
  return (
    <Autosuggest
      suggestions={suggestions}
      onSuggestionsFetchRequested={this.onSuggestionsFetchRequested}
      onSuggestionsClearRequested={this.onSuggestionsClearRequested}
      getSuggestionValue={this.getSuggestionValue}
      renderSuggestion={this.renderSuggestion}
      onSuggestionSelected={this.onSuggestionSelected}
      shouldRenderSuggestions={this.shouldRenderSuggestions}
      highlightFirstSuggestion={true}
      inputProps={inputProps}
      ref={this.storeInputReference}
    />
  );
}
}

const mapStateToProps = state => {
  return {
  };
};

export default connect(mapStateToProps, null)(InputSuggestion);

```

InputSuggest.scss

```

@import "../styles/common";

.react-autosuggest__suggestions-container {
  min-width: 90%;
  position: absolute;
  top: 50px;
  z-index: 4;
  max-height: 140px;
  overflow: auto;
  background: $footer-container;
  box-shadow: 2px 2px 4px 0 $box-shadow-color;
  -webkit-box-shadow: 2px 2px 4px 0 $box-shadow-color;
}

.react-autosuggest__suggestions-list {
  list-style-type: none;
  margin-bottom: 0;
  padding: 0px;
}

.react-autosuggest__suggestion {
  padding: 0 5px;
  height: 28px;
  line-height: 28px;
  border-bottom: 1px solid $border;
  &:hover {
    cursor: pointer;
  }
}

```



```

        background-color: darken($footer-container, 5);
    }
}

.react-autosuggest__suggestion--highlighted {
    background-color: darken($footer-container, 5);
}

```

src/components/Breadcrumb.js

```

import React from 'react';
import { useLocation, Link } from 'react-router-dom';

const Breadcrumb = () => {
    const location = useLocation();
    const pathnames = location.pathname.split('/').filter(x => x);

    return (
        <nav className="breadcrumb">
            <Link to="/">Trang chủ</Link>
            {pathnames.map((name, index) => {
                const routeTo = `/${pathnames.slice(0, index + 1).join('/')}`;
                return <span key={index}> / <Link to={routeTo}>{name}</Link></span>;
            })}
        </nav>
    );
};

export default Breadcrumb;

```

src/components/ConfirmModal.js

```

import React, { Component } from 'react';
import { FormattedMessage } from 'react-intl';
import { connect } from 'react-redux';
import { Modal } from 'reactstrap';

import './ConfirmModal.scss';
import * as actions from "../store/actions";
import { KeyCodeUtils } from "../utils";

class ConfirmModal extends Component {

    constructor(props) {
        super(props);
        this.acceptBtnRef = React.createRef();
    }

    initialState = {
    };

    state = {
        ...this.initialState
    };

    componentDidMount() {
        document.addEventListener('keydown', this.handlerKeyDown);
    }

```

```

    }

    componentWillUnmount() {
      document.removeEventListener('keydown', this.handlerKeyDown);
    }

    handlerKeyDown = (event) => {
      const keyCode = event.which || event.keyCode;
      if (keyCode === KeyCodeUtils.ENTER) {
        if (!this.acceptBtnRef.current || this.acceptBtnRef.current.disabled) return;
        this.acceptBtnRef.current.click();
      }
    }

    onAcceptBtnClick = () => {
      const { contentOfConfirmModal } = this.props;
      if (contentOfConfirmModal.handleFunc) {
        contentOfConfirmModal.handleFunc(contentOfConfirmModal.dataFunc);
      }
      this.onClose();
    }

    onClose = () => {
      this.props.setContentOfConfirmModal({
        isOpen: false,
        messageId: "",
        handleFunc: null,
        dataFunc: null
      });
    }

    render() {
      const { contentOfConfirmModal } = this.props;

      return (
        <Modal isOpen={contentOfConfirmModal.isOpen} className='confirm-modal' centered={true}>
          <div className="modal-header">
            <div className="modal-title">
              <FormattedMessage id={"common.confirm"} />
            </div>
            <div className="col-auto">
              <button className="btn btn-close" onClick={this.onClose}>
                <i className="fal fa-times" />
              </button>
            </div>
          </div>

          <div className="modal-body">
            <div className="confirm-modal-content">
              <div className="row">
                <div className="col-12">
                  <FormattedMessage id={contentOfConfirmModal.messageId ?
contentOfConfirmModal.messageId : "common.confirm-this-task"} />
                </div>

                <hr />

                <div className="col-12">
                  <div className="btn-container text-center">

```

```

        <button className="btn btn-add" onClick={this.onClose} >
          <FormattedMessage id="common.close" />
        </button>
        <button ref={this.acceptBtnRef} className="btn btn-add"
onClick={this.onAcceptBtnClick}>
          <FormattedMessage id={"common.accept"} />
        </button>
      </div>
    </div>
  </div>
</div>
</Modal >
  );
}
}

const mapStateToProps = state => {
  return {
    lang: state.app.language,
    contentOfConfirmModal: state.app.contentOfConfirmModal
  };
};

const mapDispatchToProps = dispatch => {
  return {
    setContentOfConfirmModal: (contentOfConfirmModal) =>
dispatch(actions.setContentOfConfirmModal(contentOfConfirmModal))
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(ConfirmModal);

```

src/components/ConfirmModal.scss

```

@import "../styles/common";

.confirm-modal {
  &.modal-dialog {
    @media (min-width: 766px) {
      min-width: 650px;
    }
  }
}

hr {
  border: none;
  border-bottom: 1px solid $border;;
  width: 100%;
  margin: 10px 15px 5px 15px;
}

.btn-container {
  margin-top: 10px;
  .btn {
    width: 100px;
    &.first-child {
      margin-right: 10px;
    }
  }
}

```

```

    }
  }
}

.custom-form-group {
  margin: 5px 0;

  .custom-form-control.readonly {
    min-height: 28px;
    height: auto;
  }
}
}

```

src/components/CustomScrollbars.js

```

import React, { Component } from 'react';
import { Scrollbars } from 'react-custom-scrollbars-2';

import './CustomScrollbars.scss';

class CustomScrollbars extends Component {

  ref = React.createRef();

  getScrollLeft = () => {
    const scrollbars = this.ref.current;
    return scrollbars.getScrollLeft();
  }

  getScrollTop = () => {
    const scrollbars = this.ref.current;
    return scrollbars.getScrollTop();
  }

  scrollToBottom = () => {
    if (!this.ref || !this.ref.current) {
      return;
    }
    const scrollbars = this.ref.current;
    const targetScrollTop = scrollbars.getScrollHeight();
    this.scrollTo(targetScrollTop);
  };

  scrollTo = (targetTop) => {
    const { quickScroll } = this.props;
    if (!this.ref || !this.ref.current) {
      return;
    }
    const scrollbars = this.ref.current;
    const originalTop = scrollbars.getScrollTop();
    let iteration = 0;

    const scroll = () => {
      iteration++;
      if (iteration > 30) {

```

```

        return;
    }
    scrollbars.scrollTop(originalTop + (targetTop - originalTop) / 30 * iteration);

    if (quickScroll && quickScroll === true) {
        scroll();
    } else {
        setTimeout(() => {
            scroll();
        }, 20);
    }
};

scroll();
};

renderTrackHorizontal = (props) => {
    return (
        <div {...props} className="track-horizontal" />
    );
};

renderTrackVertical = (props) => {
    return (
        <div {...props} className="track-vertical" />
    );
};

renderThumbHorizontal = (props) => {
    return (
        <div {...props} className="thumb-horizontal" />
    );
};

renderThumbVertical = (props) => {
    return (
        <div {...props} className="thumb-vertical" />
    );
};

renderNone = (props) => {
    return (
        <div />
    );
};

render() {
    const { className, disableVerticalScroll, disableHorizontalScroll, children, ...otherProps }
= this.props;
    return (
        <Scrollbars
            ref={this.ref}
            autoHide={true}
            autoHideTimeout={200}
            hideTracksWhenNotNeeded={true}
            className={className ? className + ' custom-scrollbar' : 'custom-scrollbar'}
            {...otherProps}
            renderTrackHorizontal={disableHorizontalScroll ? this.renderNone :
this.renderTrackHorizontal}

```

```

        renderTrackVertical={disableVerticalScroll ? this.renderNone :
this.renderTrackVertical}
        renderThumbHorizontal={disableHorizontalScroll ? this.renderNone :
this.renderThumbHorizontal}
        renderThumbVertical={disableVerticalScroll ? this.renderNone :
this.renderThumbVertical}
      >
        {children}
      </Scrollbars>
    );
  }
}

export default CustomScrollbars;

```

src/components/CustomScrollbars.scss

```

@import "../styles/common.scss";

.custom-scrollbar {
  .thumb-horizontal {
    background-color: rgba($bg-scrollbar, 0.4);
    box-shadow: inset 1px 1px 0 rgba($bg-scrollbar, 0.10), inset 0 -1px 0 rgba($bg-scrollbar, 0.07);

    &:hover {
      background-color: rgba($bg-scrollbar, 0.8);
      box-shadow: inset 1px 1px 1px rgba($bg-scrollbar, 0.50);
    }

    &:active {
      background-color: rgba($bg-scrollbar, 0.9);
      box-shadow: inset 1px 1px 3px rgba($bg-scrollbar, 0.6);
    }
  }

  .thumb-vertical {
    background-color: rgba($bg-scrollbar, 0.4);
    box-shadow: inset 1px 1px 0 rgba($bg-scrollbar, 0.10), inset 0 -1px 0 rgba($bg-scrollbar, 0.07);

    &:hover {
      background-color: rgba($bg-scrollbar, 0.8);
      box-shadow: inset 1px 1px 1px rgba($bg-scrollbar, 0.50);
    }

    &:active {
      background-color: rgba($bg-scrollbar, 0.9);
      box-shadow: inset 1px 1px 3px rgba($bg-scrollbar, 0.6);
    }
  }

  &:hover {
    > .track-horizontal, > .track-vertical {
      opacity: 1 !important;

      > .thumb-horizontal, > .thumb-vertical {
        opacity: 1;
      }
    }
  }
}

```

```

    }
  }
}

.track-horizontal {
  right: 0;
  bottom: 0;
  left: 0;
  height: 5px !important;
  &:hover, &:active {
    height: 10px !important;
  }
}

.track-vertical {
  right: 0;
  bottom: 0;
  top: 0;
  width: 5px !important;
  &:hover, &:active {
    width: 10px !important;
  }
}

.thumb-horizontal {
  cursor: pointer;
  border-radius: 10px;
  background-clip: padding-box;
  min-width: 0px;
}

.thumb-vertical {
  cursor: pointer;
  border-radius: 10px;
  background-clip: padding-box;
  min-height: 0px;
}
}

```

src/components/CustomToast.js

```

import React, { Component, Fragment } from 'react';
import { FormattedMessage, FormattedTime } from 'react-intl';

import CustomScrollBar from '../components/CustomScrollbars';

import './CustomToast.scss';

class CustomToast extends Component {

  render() {
    const { titleId, message, messageId, time } = this.props;
    return (
      <Fragment>
        <div className="custom-toast">
          <div className="toast-title">

```

```

        {time && (
          <span className="date">
            <FormattedTime hour='numeric' minute='numeric' second='numeric'
hour12={true} value={time} />
          </span>
        )}
        <i className="fa fa-fw fa-exclamation-triangle" />
        <FormattedMessage id={titleId} />
      </div>
    {
      (message && typeof message === 'object') ?
        <CustomScrollBar autoHeight={true} autoHeightMin={50}
autoHeightMax={100}>
          {
            message.map((msg, index) => {
              return (
                <Fragment key={index}>
                  <div className="toast-content">{msg}</div>
                </Fragment>
              )
            })
          }
        </CustomScrollBar> :
        <div className="toast-content">
          {message ? message : (messageId ? (<FormattedMessage id={messageId}
/>) : null)}
        </div>
      }
    </div>
  </Fragment>
);
}
}

export class CustomToastCloseButton extends Component {
  render() {
    return (
      <button type="button" className="toast-close" onClick={this.props.closeToast}>
        <i className="fa fa-fw fa-times-circle" />
      </button>
    );
  }
}

export default CustomToast;

```

src/components/CustomToast.scss

```

@import "../styles/common.scss";

.toast-container {
  .toast-item {
    white-space: pre-wrap;
    box-shadow: 0 0 5px 5px $box-shadow-color;
    -webkit-box-shadow: 0 0 5px 5px $box-shadow-color;

    &.Toastify__toast--success {
      background: $common-green;
    }
  }
}

```



```

}

&.Toastify__toast--error {
  background: $common-red;
}

&.Toastify__toast--warn {
  background: $colormain;
}

&.Toastify__toast--info {
  background: $colormain;
}

.toast-close {
  position: absolute;
  right: 10px;
  top: 10px;
  color: $common-text-color;
  font-size: $base-size;
  padding: 0;
  cursor: pointer;
  background: transparent;
  border: 0;
  -webkit-appearance: none;
  transition: opacity 0.2s ease-out;
}

.toast-item-body {
  color: $common-text-color;
  display: block;
  flex: none;
  width: 100%;

  .toast-title {
    font-weight: bold;
    font-size: $base-size;
    margin: 0 20px 5px 0;

    .fixed-scroll-bar {
      height: 50px;
    }

    .date {
      float: right;
      font-size: $base-size - 2px;
      vertical-align: middle;
      margin-right: 5px;
      margin-bottom: 0;
      padding: 2px 5px;
    }

    i {
      position: relative;
      margin-right: 3px;
    }
  }

  .toast-content {
    font-size: $base-size - 2px;
  }
}

```

```

    }
  }
}
}

```

src/components/Navigator.js

```

import React, { Component, Fragment } from 'react';
import { Link, withRouter } from 'react-router-dom';
import { FormattedMessage } from 'react-intl';
import { connect } from 'react-redux';

import './Navigator.scss';

class MenuGroup extends Component {

  render() {
    const { name, children } = this.props;
    return (
      <li className="menu-group">
        <div className="menu-group-name">
          <FormattedMessage id={name} />
        </div>
        <ul className="menu-list list-unstyled">
          {children}
        </ul>
      </li>
    );
  }
}

class Menu extends Component {

  render() {
    const { name, active, link, children, onClick, hasSubMenu, onLinkClick } = this.props;
    return (
      <li className={"menu" + (hasSubMenu ? " has-sub-menu" : "") + (" " + (active ? " active" : ""))}>
        {hasSubMenu ? (
          <Fragment>
            <span
              data-toggle="collapse"
              className={"menu-link collapsed"}
              onClick={onClick}
              aria-expanded={"false"}
            >
              <FormattedMessage id={name} />
              <div className="icon-right">
                <i className={"far fa-angle-right"} />
              </div>
            </span>
            <div>
              <ul className="sub-menu-list list-unstyled">
                {children}
              </ul>
            </div>
          </Fragment>
        ) : (
          <Link to={link} className="menu-link" onClick={onLinkClick}>

```

```

        <FormattedMessage id={name} />
      </Link>
    )}
  </li>
);
}
}

class SubMenu extends Component {

  getItemClass = path => {
    return this.props.location.pathname === path ? "active" : "";
  };

  render() {
    const { name, link, onLinkClick } = this.props;
    return (
      <li className={"sub-menu " + this.getItemClass(link)}>
        <Link to={link} className="sub-menu-link" onClick={onLinkClick}>
          <FormattedMessage id={name} />
        </Link>
      </li>
    );
  }
}

const MenuGroupWithRouter = withRouter(MenuGroup);
const MenuWithRouter = withRouter(Menu);
const SubMenuWithRouter = withRouter(SubMenu);

const withRouterInnerRef = (WrappedComponent) => {

  class InnerComponentWithRef extends React.Component {
    render() {
      const { forwardRef, ...rest } = this.props;
      return <WrappedComponent {...rest} ref={forwardRef} />;
    }
  }

  const ComponentWithRef = withRouter(InnerComponentWithRef, { withRef: true });

  return React.forwardRef((props, ref) => {
    return <ComponentWithRef {...props} forwardRef={ref} />;
  });
};

class Navigator extends Component {
  state = {
    expandedMenu: {}
  };

  toggle = (groupIndex, menuIndex) => {
    const expandedMenu = {};
    const needExpand = !(this.state.expandedMenu[groupIndex + '_' + menuIndex] === true);
    if (needExpand) {
      expandedMenu[groupIndex + '_' + menuIndex] = true;
    }

    this.setState({

```

```

        expandedMenu: expandedMenu
    });
};

isMenuHasSubMenuActive = (location, subMenus, link) => {
    if (subMenus) {
        if (subMenus.length === 0) {
            return false;
        }

        const currentPath = location.pathname;
        for (let i = 0; i < subMenus.length; i++) {
            const subMenu = subMenus[i];
            if (subMenu.link === currentPath) {
                return true;
            }
        }
    }

    if (link) {
        return this.props.location.pathname === link;
    }

    return false;
};

checkActiveMenu = () => {
    const { menus, location } = this.props;
    outerLoop:
    for (let i = 0; i < menus.length; i++) {
        const group = menus[i];
        if (group.menus && group.menus.length > 0) {
            for (let j = 0; j < group.menus.length; j++) {
                const menu = group.menus[j];
                if (menu.subMenus && menu.subMenus.length > 0) {
                    if (this.isMenuHasSubMenuActive(location, menu.subMenus, null)) {
                        const key = i + '_' + j;
                        this.setState({
                            expandedMenu: {
                                [key]: true
                            }
                        });
                        break outerLoop;
                    }
                }
            }
        }
    }
};

componentDidMount() {
    this.checkActiveMenu();
};

// componentWillReceiveProps(nextProps, prevState) {
//     const { location, setAccountMenuPath, setSettingMenuPath } = this.props;
//     const { location: nextLocation } = nextProps;
//     if (location !== nextLocation) {
//         let pathname = nextLocation && nextLocation.pathname;

```

```

//      if ((pathname.startsWith('/account/') || pathname.startsWith('/fds/account/'))) {
//          setAccountMenuPath(pathname);
//      }
//      if (pathname.startsWith('/settings/')) {
//          setSettingMenuPath(pathname);
//      }
//  };
// };

componentDidUpdate(prevProps, prevState) {
  const { location } = this.props;
  const { location: prevLocation } = prevProps;
  if (location !== prevLocation) {
    this.checkActiveMenu();
  }
};

render() {
  const { menus, location, onLinkClick } = this.props;
  return (
    <Fragment>
      <ul className="navigator-menu list-unstyled">
        {
          menus.map((group, groupIndex) => {
            return (
              <Fragment key={groupIndex}>
                <MenuGroupWithRouter name={group.name}>
                  {group.menus ? (
                    group.menus.map((menu, menuIndex) => {
                      const isMenuHasSubMenuActive =
this.isMenuHasSubMenuActive(location, menu.subMenus, menu.link);
                      const isSubMenuOpen =
this.state.expandedMenu[groupIndex + '_' + menuIndex] === true;
                      return (
                        <MenuWithRouter
                          key={menuIndex}
                          active={isMenuHasSubMenuActive}
                          name={menu.name}
                          link={menu.link}
                          hasSubMenu={menu.subMenus}
                          isOpen={isSubMenuOpen}
                          onClick={() => this.toggle(groupIndex,
menuIndex)}
                          onLinkClick={onLinkClick}
                        >
                          {menu.subMenus &&
menu.subMenus.map((subMenu, subMenuIndex) => (
                            <SubMenuWithRouter
                              key={subMenuIndex}
                              name={subMenu.name}
                              link={subMenu.link}
                              onClick={this.closeOtherExpand}
                              onLinkClick={onLinkClick}
                            />
                          ))}
                        </MenuWithRouter>
                      );
                    )}
                  ) : null}
                </Fragment>
              )
            )
          )
        }
      </ul>
    </Fragment>
  );
}

```

```

        </MenuGroupWithRouter>
      </Fragment>
    );
  })
}
</ul>
</Fragment>
);
}
}

const mapStateToProps = state => {
  return {
  };
};

const mapDispatchToProps = dispatch => {
  return {
  }
}

export default withRouterInnerRef(connect(mapStateToProps, mapDispatchToProps)(Navigator));

```

src/components/Navigator.scss

```

@import "../styles/common.scss";

.navigator-menu {
  display: flex;
  margin: 0;
  padding: 0;
  &.list-unstyled,
  .list-unstyled {
    list-style-type: none;
  }
  .menu-group {
    &:hover {
      cursor: pointer;
      background-color: darken($colormain, 5);
    }
    .menu-group-name {
      line-height: 40px;
      padding: 0 15px;
      border-right: 1px solid $border;
      &:first-child {
        border-left: 1px solid $border;
      }
    }
    .menu-list {
      display: none;
      background-color: $bg-menu-color;
      box-shadow: 2px 2px 4px 0 $box-shadow-color;
      -webkit-box-shadow: 2px 2px 4px 0 $box-shadow-color;
      color: $text-in-light;
      position: absolute;
      padding: 0;
      .menu {
        width: 205px;

```

```

padding: 0 15px;
height: 35px;
line-height: 35px;
text-transform: none;
.menu-link {
    text-decoration: none;
    color: $text-in-light;
}
.sub-menu-list {
    display: none;
    background-color: $bg-menu-color;
    box-shadow: 2px 2px 4px 0 $box-shadow-color;
    -webkit-box-shadow: 2px 2px 4px 0 $box-shadow-color;
    position: absolute;
    top: 0;
    left: 205px;
    padding: 0;
    .sub-menu {
        padding: 0 15px;
        height: 35px;
        line-height: 35px;
        white-space: nowrap;
        &:hover {
            background-color: darken($bg-menu-color, 5);
        }
        .sub-menu-link {
            text-decoration: none;
            color: $text-in-light;
        }
        a {
            display: block;
        }
        &.active a {
            font-weight: 500;
            color: $colormain;
        }
    }
}
&.active span {
    font-weight: 500;
    color: $colormain;
}
&:hover {
    background-color: darken($bg-menu-color, 3);
    .sub-menu-list {
        display: block;
    }
}
.icon-right {
    display: block;
    position: absolute;
    top: 0;
    right: 10px;
}
}
}
&:hover {
    .menu-list {
        display: block;
    }
}

```

```

    }
  }
}

```

src/hoc/

Authentication.js

```

import locationHelperBuilder from "redux-auth-wrapper/history4/locationHelper";
import { connectedRouterRedirect } from "redux-auth-wrapper/history4/redirect";

const locationHelper = locationHelperBuilder({});

export const userIsAuthenticated = connectedRouterRedirect({
  authenticatedSelector: state => state.admin.isLoggedIn,
  wrapperDisplayName: 'UserIsAuthenticated',
  redirectPath: '/login'
});

export const userIsNotAuthenticated = connectedRouterRedirect({
  // Want to redirect the user when they are authenticated
  authenticatedSelector: state => !state.admin.isLoggedIn,
  wrapperDisplayName: 'UserIsNotAuthenticated',
  redirectPath: (state, ownProps) => locationHelper.getRedirectQueryParam(ownProps) || '/',
  allowRedirectBack: false
});

```

IntlProviderWrapper.js

```

import React, { Component } from "react";
import { connect } from 'react-redux';
import { IntlProvider } from "react-intl";

import '@formatjs/intl-pluralrules/polyfill';
import '@formatjs/intl-pluralrules/locale-data/en';
import '@formatjs/intl-pluralrules/locale-data/vi';

import '@formatjs/intl-relativetimeformat/polyfill';
import '@formatjs/intl-relativetimeformat/locale-data/en';
import '@formatjs/intl-relativetimeformat/locale-data/vi';

import { LanguageUtils } from '../utils'

const messages = LanguageUtils.getFlattenedMessages();

class IntlProviderWrapper extends Component {

  render() {
    const { children, language } = this.props;
    return (
      <IntlProvider
        locale={language}
        messages={messages[language]}
        defaultLocale="vi">
        {children}
      </IntlProvider>
    );
  }
}

```



```

    }
  }

  const mapStateToProps = state => {
    return {
      language: state.app.language
    };
  };

  export default connect(mapStateToProps, null)(IntlProviderWrapper);

```

PrivateRoute.js

```

import React from 'react';
import { Route, Redirect } from 'react-router-dom';

const PrivateRoute = ({ component: Component, role, render, ...rest }) => {
  const token = localStorage.getItem('token');
  const roleId = localStorage.getItem('roleId');

  return (
    <Route
      {...rest}
      render={props => {
        if (!token) return <Redirect to="/login" />;
        if (role && roleId !== role) return <Redirect to="/" />;
        return render ? render(props) : <Component {...props} />;
      }}
    />
  );
};

export default PrivateRoute;

```

src/layouts/

AdminLayout.js

Đang phát triển...

PublicLayout.js

```

import React from 'react';
import Header from '../components/Header/Header';
import Footer from '../components/Footer/Footer';

const PublicLayout = (props) => {
  return (
    <>
      <Header />
      <main className="main-content">
        {props.children}
      </main>
      <Footer />
    </>
  );
};

```

```
};  
  
export default PublicLayout;
```

src/pages/

src/admin/

ProductManager.js

```
import React, { Component } from 'react';  
import { FormattedMessage } from 'react-intl';  
import { connect } from 'react-redux';  
class ProductManage extends Component {  
  
  state = {  
  
  }  
  
  componentDidMount() {  
  }  
  
  render() {  
    return (  
      <div className="text-center" >Manage products</div>  
    )  
  }  
}  
  
const mapStateToProps = state => {  
  return {  
  };  
};  
  
const mapDispatchToProps = dispatch => {  
  return {  
  };  
};  
  
export default connect(mapStateToProps, mapDispatchToProps)(ProductManage);
```

RegisterPackageGroupOrAcc.js

```
import React, { Component } from 'react';  
import { FormattedMessage } from 'react-intl';  
import { connect } from 'react-redux';  
class RegisterPackageGroupOrAcc extends Component {  
  
  constructor(props) {  
    super(props);  
  
  }  
}
```

```

    render() {
      return (
        <div className="text-center">
          register package group or account
        </div>)
    }
  }
}

const mapStateToProps = state => {
  return {
  };
};

const mapDispatchToProps = dispatch => {
  return {
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(RegisterPackageGroupOrAcc);

```

UserManager.js

```

import React, { Component } from 'react';
import { FormattedMessage } from 'react-intl';
import { connect } from 'react-redux';
class UserManage extends Component {

  state = {

  }

  componentDidMount() {

  }

  render() {
    return (
      <div className="text-center">Manage users</div>
    );
  }
}

const mapStateToProps = state => {
  return {
  };
};

const mapDispatchToProps = dispatch => {
  return {
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(UserManage);

```

src/auth/

Login.js

```
import React, { Component } from 'react';
import { connect } from 'react-redux';
import { push } from "connected-react-router";

import * as actions from "../../store/actions";
import './Login.scss';

import { FormattedMessage } from 'react-intl';

class Login extends Component {
  constructor(props) {
    super(props);
  }

  render() {
    return (
      <div>login</div>
    )
  }
}

const mapStateToProps = state => {
  return {
    lang: state.app.language
  };
};

const mapDispatchToProps = dispatch => {
  return {
    navigate: (path) => dispatch(push(path)),
    adminLoginSuccess: (adminInfo) => dispatch(actions.adminLoginSuccess(adminInfo)),
    adminLoginFail: () => dispatch(actions.adminLoginFail()),
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(Login);
```

Login.scss

src/home/

Home.js

```
import React, { Component } from 'react';
import { connect } from 'react-redux';
import { push } from "connected-react-router";

import * as actions from "../../store/actions";
```

```

import './Home.scss';

import { FormattedMessage } from 'react-intl';

class Home extends Component {
  constructor(props) {
    super(props);
  }

  render() {
    return (
      <div>Home</div>
    )
  }
}

const mapStateToProps = state => {
  return {
    lang: state.app.language
  };
};

const mapDispatchToProps = dispatch => {
  return {
    navigate: (path) => dispatch(push(path)),
    adminLoginSuccess: (adminInfo) => dispatch(actions.adminLoginSuccess(adminInfo)),
    adminLoginFail: () => dispatch(actions.adminLoginFail()),
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(Home);

```

Home.scss

src/user/

Profile.js

```

import React, { Component } from 'react';
import { connect } from 'react-redux';
import { push } from "connected-react-router";

import * as actions from "../../store/actions";
import './Profile.scss';

import { FormattedMessage } from 'react-intl';

class Profile extends Component {
  constructor(props) {
    super(props);
  }

  render() {
    return (

```

```

        <div>Profile</div>
      )
    }
  }
}

const mapStateToProps = state => {
  return {
    lang: state.app.language
  };
};

const mapDispatchToProps = dispatch => {
  return {
    navigate: (path) => dispatch(push(path)),
    adminLoginSuccess: (adminInfo) => dispatch(actions.adminLoginSuccess(adminInfo)),
    adminLoginFail: () => dispatch(actions.adminLoginFail()),
  };
};

export default connect(mapStateToProps, mapDispatchToProps)(Profile);

```

Profile.scss

src/routes/

AppRoutes.js

```

import React from 'react';
import { Switch, Route, Redirect } from 'react-router-dom';
import PublicLayout from '../layouts/PublicLayout';
import AdminLayout from '../layouts/AdminLayout';
import PrivateRoute from '../hoc/PrivateRoute';

import Home from '../pages/home/Home';
import Login from '../pages/auth/Login';
import Profile from '../pages/user/Profile';

const AppRoutes = () => {
  return (
    <Switch>
      { /* Trang HOME - không cần đăng nhập */ }
      <Route
        path="/"
        exact
        render={ (props) => (
          <PublicLayout>
            <Home {...props} />
          </PublicLayout>
        ) }
      />

      { /* Login */ }
      <Route
        path="/login"
        render={ (props) => (
          <PublicLayout>

```

```

        <Login {...props} />
      </PublicLayout>
    )}
  />

  { /* Profile - cần login với role = 2 (user) */ }
  <PrivateRoute
    path="/profile"
    role="2"
    render={ (props) => (
      <PublicLayout>
        <Profile {...props} />
      </PublicLayout>
    ) }
  />

  { /* Admin - cần login với role = 1 (admin) */ }
  <PrivateRoute
    path="/admin"
    role="1"
    render={ (props) => (
      <AdminLayout>
        <div>Trang admin</div>
      </AdminLayout>
    ) }
  />

  { /* Redirect fallback */ }
  <Redirect to="/" />
</Switch>
);
};

export default AppRoutes;

```

src/services/

adminService.js

```

import axios from '../axios';
import * as queryString from 'query-string';

const adminService = {

  /**
   * Đăng nhập hệ thống
   * {
   *   "username": "string",
   *   "password": "string"
   * }
   */
  login(loginBody) {
    return axios.post(`/admin/login`, loginBody)
  },
};

```

```
export default adminService;
```

index.js

```
export { default as adminService } from './adminService';
```

src/store/

src/store/actions/

actionType.js

```
const actionTypes = Object.freeze({
  //app
  APP_START_UP_COMPLETE: 'APP_START_UP_COMPLETE',
  SET_CONTENT_OF_CONFIRM_MODAL: 'SET_CONTENT_OF_CONFIRM_MODAL',

  //admin
  ADMIN_LOGIN_SUCCESS: 'ADMIN_LOGIN_SUCCESS',
  ADMIN_LOGIN_FAIL: 'ADMIN_LOGIN_FAIL',
  PROCESS_LOGOUT: 'PROCESS_LOGOUT',

  //user
  ADD_USER_SUCCESS: 'ADD_USER_SUCCESS',
})

export default actionTypes;
```

adminActions.js

```
import actionTypes from './actionTypes';

export const adminLoginSuccess = (adminInfo) => ({
  type: actionTypes.ADMIN_LOGIN_SUCCESS,
  adminInfo: adminInfo
})

export const adminLoginFail = () => ({
  type: actionTypes.ADMIN_LOGIN_FAIL
})

export const processLogout = () => ({
  type: actionTypes.PROCESS_LOGOUT
})
```

appActions.js

```
import actionTypes from './actionTypes';

export const appStartUpComplete = () => ({
  type: actionTypes.APP_START_UP_COMPLETE
});

export const setContentOfConfirmModal = (contentOfConfirmModal) => ({
  type: actionTypes.SET_CONTENT_OF_CONFIRM_MODAL,
  contentOfConfirmModal: contentOfConfirmModal
});
```


index.js

```
export * from './appActions'
export * from './adminActions'
export * from './userActions'
```

userActions.js

```
import actionTypes from './actionTypes';

export const addUserSuccess = () => ({
  type: actionTypes.ADD_USER_SUCCESS
})
```

src/store/reducers/

adminReducer.js

```
import actionTypes from '../actions/actionTypes';

const initialState = {
  isLoggedIn: false,
  adminInfo: null
}

const appReducer = (state = initialState, action) => {
  switch (action.type) {
    case actionTypes.ADMIN_LOGIN_SUCCESS:
      return {
        ...state,
        isLoggedIn: true,
        adminInfo: action.adminInfo
      }
    case actionTypes.ADMIN_LOGIN_FAIL:
      return {
        ...state,
        isLoggedIn: false,
        adminInfo: null
      }
    case actionTypes.PROCESS_LOGOUT:
      return {
        ...state,
        isLoggedIn: false,
        adminInfo: null
      }
    default:
      return state;
  }
}

export default appReducer;
```

appReducer.js

```
import actionTypes from '../actions/actionTypes';

const initContentOfConfirmModal = {
  isOpen: false,
```

```

        messageId: "",
        handleFunc: null,
        dataFunc: null
    }

    const initialState = {
        started: true,
        language: 'vi',
        systemMenuPath: '/system/user-manage',
        contentOfConfirmModal: {
            ...initContentOfConfirmModal
        }
    }

    const appReducer = (state = initialState, action) => {
        switch (action.type) {
            case actionTypes.APP_START_UP_COMPLETE:
                return {
                    ...state,
                    started: true
                }
            case actionTypes.SET_CONTENT_OF_CONFIRM_MODAL:
                return {
                    ...state,
                    contentOfConfirmModal: {
                        ...state.contentOfConfirmModal,
                        ...action.contentOfConfirmModal
                    }
                }
            default:
                return state;
        }
    }

    export default appReducer;

```

rootReducer.js

```

import {combineReducers} from 'redux';
import { connectRouter } from 'connected-react-router';

import appReducer from "./appReducer";
import adminReducer from "./adminReducer";
import userReducer from "./userReducer";

import autoMergeLevel2 from 'redux-persist/lib/stateReconciler/autoMergeLevel2';
import storage from 'redux-persist/lib/storage';
import { persistReducer } from 'redux-persist';

const persistCommonConfig = {
    storage: storage,
    stateReconciler: autoMergeLevel2,
};

const adminPersistConfig = {
    ...persistCommonConfig,
    key: 'admin',
    whitelist: ['isLoggedIn', 'adminInfo']
};

```

```
export default (history) => combineReducers({
  router: connectRouter(history),
  admin: persistReducer(adminPersistConfig, adminReducer),
  user: userReducer,
  app: appReducer
})
```

userReducer.js

Đang phát triển...

src/styles/

_base.scss

```
/*
 * General styles
 */
body, html {
  background-image: "#fff";
  background-repeat: no-repeat;
  background-size: cover;
  font-family: $fontmain;
  font-size: $base-size - 2px;
  height: 100vh;
  overflow: hidden;
}

.btn {
  padding: 0;
  border: none;
  cursor: pointer;
  font-weight: 700;
  height: 30px;
  line-height: 30px;
  -moz-user-select: none;
  -webkit-user-select: none;
  user-select: none;
  i {
    font-size: $base-size - 3px;
  }
}

.btn-edit,
.btn-add,
.btn-delete,
.btn-assign {
  background-color: $colormain;
  color: $common-text-color;
  &:hover {
    color: $common-text-color;
    background-color: darken($colormain, 5);
  }
}

#password:invalid {
  font-family: $fontmain; // Fixed TH hien thi placeholder cho EDGE
}
```

```

#password:-webkit-input-placeholder {
  font-family: $fontmain; // CHROME 1
}
#password::-webkit-input-placeholder {
  font-family: $fontmain; //CHROME 2   EDGE 1
}
#password:-moz-placeholder {
  font-family: $fontmain; // Firefox 4-18
}
#password::-moz-placeholder {
  font-family: $fontmain; // Firefox 19+
}
#password:-ms-input-placeholder {
  font-family: $fontmain; // IE 10-11
}
#password::-ms-input-placeholder {
  font-family: $fontmain; // EDGE 2
}
#password::placeholder {
  font-family: $fontmain;
}

.content-container {
  .title {
    text-align: center;
    text-transform: uppercase;
    font-weight: bold;
    font-size: $base-size + 4px;
    margin-top: 15px;
    color: $colormain;
  }
  .content {
    margin: 15px 30px;
    box-shadow: 2px 2px 4px 0 $box-shadow-color;
    -webkit-box-shadow: 2px 2px 4px 0 $box-shadow-color;
  }
}

.modal {
  .modal-dialog {
    .modal-content {
      .modal-header {
        padding: 0 10px;
        height: 35px;
        background-color: $colormain;
        color: $common-text-color;
        .modal-title {
          line-height: 35px;
          font-weight: 500;
          font-size: $base-size + 1px;
        }
      }
      .btn-close {
        position: absolute;
        color: $common-text-color;
        i {
          line-height: 35px;
          font-size: $base-size + 2px;
        }
      }
    }
  }
}

```

```

    }
  }
}
}

```

_form.scss

```

@import "common";

.custom-form-group {

  .custom-form-control {
    background-color: $common-white;
    border: 1px solid $border;
    &.readonly {
      cursor: not-allowed;
      background-color: darken($common-white, 5);
    }
    &:focus {
      outline: none;
      border: 1px solid darken($border, 50);
    }
  }

  select.custom-form-control {
    background-image: $dropdown-image;
  }

  margin-bottom: 10px;

  label {
    margin-bottom: 1px;
  }

  .custom-form-control {
    display: block;
    width: 100%;
    height: 28px;
    padding: 0 5px;
    line-height: 26px;
    border-radius: 5px;
  }

  textarea.custom-form-control {
    min-height: 28px;
    height: auto;
  }

  select.custom-form-control {
    -webkit-appearance: none;
    -moz-appearance: none;

    padding-right: 15px;

    background-position: right top;
    background-repeat: no-repeat;
    background-size: 15px 100%;

    cursor: pointer;
  }
}

```

```

    &:disabled {
        cursor: not-allowed;
    }
}

.custom-checkbox-control {
    line-height: 28px;

    input {
        cursor: pointer;
    }

    label {
        margin-left: 5px;
    }
}
}

```

_variables.scss

```

$base-size: 16px;
$lh: 1.313;
$fontmain:"Helvetica", -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, "Helvetica Neue",
Arial, "Noto Sans", sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol", "Noto
Color Emoji";
$colormain:#0071ba;
$colorsub:#bb8d09;
$common-text-color:white;
$common-btn-confirm: #185ba8;
$common-btn-deny: #bb8d09;
$common-error: #ff9600;
$common-notify: greenyellow;
$common-green: #00C087;
$common-red: #d01a1d;
$common-white: #fff;
$common-orange: #FFAC42;
$border: #ccc;
$text-in-light: #181818;

$input-focus: #FFAC42;

$footer-container: #f5f5f5;
$footer-text: #262626;
$footer-next-disable: #ccc;

$bg-menu-color: #f5f5f5;
$bg-scrollbar: #000;
$bg-table-color: #f5f5f5;
$box-shadow-color: #0000004d;

$dropdown-image: url("../assets/images/dropdown.svg");

//date picker
$date-picker-bg: $common-white;
$date-picker-border: darken(#3f4458, 50%);
$date-picker-arrow-hover: $common-orange;

```

```

$date-picker-month-fg: #000;
$date-picker-month-bg: $common-white;
$date-picker-weekdays-fg: #000;
$date-picker-weekdays-bg: transparent;
$date-picker-day-fg: #000;
$date-picker-day-hover-bg: darken($common-white, 25%);
$date-picker-today-border: $common-orange;
$date-picker-today-bg: $common-orange;
$date-picker-today-fg: #000;
$date-picker-day-selected-fg: $common-white;

```

common.scss

```

@import "variables";

.text-center {
  text-align: center !important;
}

.text-left {
  text-align: left !important;
}

.text-right {
  text-align: right !important;
}

.text-red {
  color: $common-red !important;
}

```

styles.scss

```

@import "variables";
@import "../node_modules/bootstrap/scss/bootstrap";

$fa-font-path : "~@fontawesome/fontawesome-free-webfonts/webfonts";
@import "~@fontawesome/fontawesome-free-webfonts/scss/fontawesome.scss";
@import "~@fontawesome/fontawesome-free-webfonts/scss/fa-solid.scss";
@import "~@fontawesome/fontawesome-free-webfonts/scss/fa-regular.scss";
@import "~@fontawesome/fontawesome-free-webfonts/scss/fa-brands.scss";

@import "base";
@import "form";

```

src/translations/

en.json

```

{
  "common": {
    "add": "Add",
    "edit": "Edit",
    "delete": "Delete"
  },
  "login": {
    "login": "Login",

```

```

    "username": "Username",
    "password": "Password"
  }
}

```

vi.json

```

{
  "common": {
    "add": "Thêm",
    "edit": "Sửa",
    "delete": "Xóa"
  },
  "login": {
    "login": "Đăng nhập",
    "username": "Tên đăng nhập",
    "password": "Mật khẩu"
  }
}

```

src/utils/

CommonUtils.js

```

class CommonUtils {
  static isNumber1 (number) {
    if (number === 1) return true;
    return false;
  }
}

export default CommonUtils;

```

Constant.js

```

export const path = {
  HOME: '/',
  LOGIN: '/login',
  LOG_OUT: '/logout',
  SYSTEM: '/system'
};

export const languages = {
  VI: 'vi',
  EN: 'en'
};

export const manageActions = {
  ADD: "ADD",
  EDIT: "EDIT",
  DELETE: "DELETE"
};

export const dateFormat = {
  SEND_TO_SERVER: 'DD/MM/YYYY'
};

```



```
export const YesNoObj = {
  YES: 'Y',
  NO: 'N'
}
```

index.js

```
export * from './constant';
export {default as CommonUtils} from './CommonUtils';
export {default as KeyCodeUtils} from './KeyCodeUtils';
export {default as LanguageUtils} from './LanguageUtils';
export {default as ToastUtil} from './ToastUtil';
```

KeyCodeUtils.js

```
class KeyCodeUtils {

  static UP = 38;

  static DOWN = 40;

  static TAB = 9;

  static ENTER = 13;

  static E = 69;

  static ESCAPE = 27;

  static isNavigation(e) {
    return (e >= 33 && e <= 40) || e === 9 || e === 8 || e === 46 || e === 14 || e === 13;
  }

  static isNumeric(e) {
    return (e >= 48 && e <= 57) || (e >= 96 && e <= 105);
  }

  static isAlphabetic(e) {
    return (e >= 65 && e <= 90);
  }

  static isDecimal(e) {
    return e === 190 || e === 188 || e === 108 || e === 110;
  }

  static isDash(e) {
    return e === 109 || e === 189;
  }
}

export default KeyCodeUtils;
```

LanguageUtils.js

```
import messages_vi from '../translations/vi.json';
import messages_en from '../translations/en.json';

const flattenMessages = ((nestedMessages, prefix = '') => {
  if (nestedMessages == null) {
```

```

        return {}
    }
    return Object.keys(nestedMessages).reduce((messages, key) => {
        const value = nestedMessages[key];
        const prefixedKey = prefix ? `${prefix}.${key}` : key;

        if (typeof value === 'string') {
            Object.assign(messages, {[prefixedKey]: value})
        } else {
            Object.assign(messages, flattenMessages(value, prefixedKey))
        }

        return messages
    }, {})
});

const messages = {
    'vi': flattenMessages(messages_vi),
    'en': flattenMessages(messages_en),
};

export default class LanguageUtils {
    static getMessageByKey(key, lang) {
        return messages[lang][key]
    }

    static getFlattenedMessages() {
        return messages;
    }
}

```

ToastUtil.js

```

import React from 'react';
import { toast } from 'react-toastify';
import axios from 'axios';

import CustomToast from "../components/CustomToast";

const TYPE_SUCCESS = 'SUCCESS';
const TYPE_INFO = 'INFO';
const TYPE_WARN = 'WARN';
const TYPE_ERROR = 'ERROR';

class ToastUtil {

    static success(title, message) {
        this.show(TYPE_SUCCESS, title, message);
    }

    static info(title, message) {
        this.show(TYPE_INFO, title, message);
    }

    static warn(title, message) {
        this.show(TYPE_WARN, title, message);
    }

    static error(title, message) {

```

```

        this.show(TYPE_ERROR, title, message);
    }

    static successRaw(title, message) {
        this.show(TYPE_SUCCESS, title, message, true);
    }

    static errorRaw(title, message, autoCloseDelay = 3000) {
        this.show(TYPE_ERROR, title, message, true, autoCloseDelay);
    }

    static errorApi(error, title = 'common.fail-to-load-data', autoCloseDelay = 3000) {
        if (axios.isCancel(error)) {
            // Do nothing if request was cancelled
            return;
        }
        let message = null;
        let messageId = 'common.unknown-error';
        if (error.httpStatusCode >= 500) {
            messageId = 'common.internal-server-error';
        } else if (error.httpStatusCode < 500 && error.httpStatusCode >= 400) {
            if (error.httpStatusCode === 400) {
                messageId = 'common.bad-request';
            } else if (error.httpStatusCode === 403) {
                messageId = 'common.forbiden-request';
            }
        } else {
            // Request fail even server was returned a success response
            if (error.errorMessage) {
                message = error.errorMessage
            }
        }
        toast.error(<CustomToast titleId={title} message={message} messageId={messageId} time={new
Date()} />, {
            position: toast.POSITION.BOTTOM_RIGHT,
            pauseOnHover: true,
            autoClose: autoCloseDelay
        });
    }

    static show(type, title, message, rawMessage = false, autoCloseDelay = 3000) {
        const content = <CustomToast titleId={title} messageId={rawMessage ? null : message}
message={rawMessage ? message : null} time={new Date()} />;
        const options = {
            position: toast.POSITION.BOTTOM_RIGHT,
            pauseOnHover: true,
            autoClose: autoCloseDelay
        };

        switch (type) {
            case TYPE_SUCCESS:
                toast.success(content, options);
                break;
            case TYPE_INFO:
                toast.info(content, options);
                break;
            case TYPE_WARN:
                toast.warn(content, options);
                break;
            case TYPE_ERROR:

```

```

        toast.error(content, options);
        break;
      default:
        break;
    }
  }
}

export default ToastUtil;

```

src/App.js/

```

import React from 'react';
import { BrowserRouter } from 'react-router-dom';
import AppRoutes from './routes/AppRoutes';
import { Provider } from 'react-redux';
import store from './redux';

function App() {
  return (
    <Provider store={store}>
      <BrowserRouter>
        <AppRoutes />
      </BrowserRouter>
    </Provider>
  );
}

export default App;

```

src/App.scss/

```
@import "../styles/common.scss";
```

src/axios.js/

```

import axios from 'axios';
import _ from 'lodash';

const instance = axios.create({
  baseURL: process.env.REACT_APP_BACKEND_URL,
  withCredentials: true,
});

const createError = (httpStatusCode, statusCode, errorMessage, problems, errorCode = '') => {
  const error = new Error();
  error.httpStatusCode = httpStatusCode;
  error.statusCode = statusCode;
  error.errorMessage = errorMessage;
  error.problems = problems;
  error.errorCode = String(errorCode);
  return error;
};

```

```

export const isSuccessStatusCode = (s) => {
  return (typeof s === 'number' && s === 0) || (typeof s === 'string' && s.toUpperCase() === 'OK');
};

instance.interceptors.response.use(
  (response) => {
    const { data } = response;

    if (data.hasOwnProperty('s') && !isSuccessStatusCode(data.s) && data.hasOwnProperty('errmsg')) {
      return Promise.reject(createError(response.status, data.s, data.errmsg, null, data.errcode || ""));
    }

    if (data.hasOwnProperty('s') && data.hasOwnProperty('d')) return data.d;
    if (data.hasOwnProperty('s') && _.keys(data).length === 1) return null;

    return data;
  },
  (error) => {
    const { response } = error;
    if (!response) return Promise.reject(error);

    const { data } = response;

    if (data?.s && data?.errmsg) {
      return Promise.reject(createError(response.status, data.s, data.errmsg));
    }

    if (data?.code && data?.message) {
      return Promise.reject(createError(response.status, data.code, data.message, data.problems));
    }

    return Promise.reject(createError(response.status));
  }
);

export default instance;

```

src/index.js/

```

import React from 'react';
import ReactDOM from 'react-dom';
import 'react-toastify/dist/ReactToastify.css';
import './styles/styles.scss';

import App from './App';
import * as serviceWorker from './serviceWorker';
import IntlProviderWrapper from "../hoc/IntlProviderWrapper";

import { Provider } from 'react-redux';
import reduxStore, { persistor } from './redux';

const renderApp = () => {

```

```

    ReactDOM.render(
      <Provider store={reduxStore}>
        <IntlProviderWrapper>
          <App persister={persistor} />
        </IntlProviderWrapper>
      </Provider>,
      document.getElementById('root')
    );
  };
};

renderApp();
// If you want your app to work offline and load faster, you can change
// unregister() to register() below. Note this comes with some pitfalls.
// Learn more about service workers: https://bit.ly/CRA-PWA
serviceWorker.unregister();

```

src/redux.js/

```

import { logger } from "redux-logger";
import thunkMiddleware from "redux-thunk";
import { routerMiddleware } from 'connected-react-router';
import { createBrowserHistory } from 'history';

import { createStore, applyMiddleware, compose } from 'redux';
import { createStateSyncMiddleware } from 'redux-state-sync';
import { persistStore } from 'redux-persist';

import createRootReducer from './store/reducers/rootReducer';
import actionTypes from './store/actions/actionTypes';

const environment = process.env.NODE_ENV || "development";
let isDevelopment = environment === "development";

//hide redux logs
isDevelopment = false;

export const history = createBrowserHistory({ basename: process.env.REACT_APP_ROUTER_BASE_NAME });

const reduxStateSyncConfig = {
  whitelist: [
    actionTypes.APP_START_UP_COMPLETE,
  ]
}

const rootReducer = createRootReducer(history);
const middleware = [
  routerMiddleware(history),
  thunkMiddleware,
  createStateSyncMiddleware(reduxStateSyncConfig),
]
if (isDevelopment) middleware.push(logger);

const composeEnhancers = (isDevelopment && window.__REDUX_DEVTOOLS_EXTENSION_COMPOSE__) ?
window.__REDUX_DEVTOOLS_EXTENSION_COMPOSE__ : compose;

const reduxStore = createStore(

```

```

    rootReducer,
    composeEnhancers(applyMiddleware(...middleware)),
  )

export const dispatch = reduxStore.dispatch;

export const persistor = persistStore(reduxStore);

export default reduxStore;

```

src/serviceWorker.js/

```

// This optional code is used to register a service worker.
// register() is not called by default.

// This lets the app load faster on subsequent visits in production, and gives
// it offline capabilities. However, it also means that developers (and users)
// will only see deployed updates on subsequent visits to a page, after all the
// existing tabs open on the page have been closed, since previously cached
// resources are updated in the background.

// To learn more about the benefits of this model and instructions on how to
// opt-in, read https://bit.ly/CRA-PWA

const isLocalhost = Boolean(
  window.location.hostname === 'localhost' ||
    // [::1] is the IPv6 localhost address.
    window.location.hostname === '[::1]' ||
    // 127.0.0.1/8 is considered localhost for IPv4.
    window.location.hostname.match(
      /^127(?:\.(?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)?)?$/
    )
);

export function register(config) {
  if (process.env.NODE_ENV === 'production' && 'serviceWorker' in navigator) {
    // The URL constructor is available in all browsers that support SW.
    const publicUrl = new URL(process.env.PUBLIC_URL, window.location.href);
    if (publicUrl.origin !== window.location.origin) {
      // Our service worker won't work if PUBLIC_URL is on a different origin
      // from what our page is served on. This might happen if a CDN is used to
      // serve assets; see https://github.com/facebook/create-react-app/issues/2374
      return;
    }

    window.addEventListener('load', () => {
      const swUrl = `${process.env.PUBLIC_URL}/service-worker.js`;

      if (isLocalhost) {
        // This is running on localhost. Let's check if a service worker still exists or not.
        checkValidServiceWorker(swUrl, config);

        // Add some additional logging to localhost, pointing developers to the
        // service worker/PWA documentation.
        navigator.serviceWorker.ready.then(() => {
          console.log(
            'This web app is being served cache-first by a service ' +
            'worker. To learn more, visit https://bit.ly/CRA-PWA'
          );
        });
      }
    });
  }
}

```

```

    });
  });
} else {
  // Is not localhost. Just register service worker
  registerValidSW(swUrl, config);
}
});
}
}

function registerValidSW(swUrl, config) {
  navigator.serviceWorker
    .register(swUrl)
    .then(registration => {
      registration.onupdatefound = () => {
        const installingWorker = registration.installing;
        if (installingWorker == null) {
          return;
        }
        installingWorker.onstatechange = () => {
          if (installingWorker.state === 'installed') {
            if (navigator.serviceWorker.controller) {
              // At this point, the updated precached content has been fetched,
              // but the previous service worker will still serve the older
              // content until all client tabs are closed.
              console.log(
                'New content is available and will be used when all ' +
                'tabs for this page are closed. See https://bit.ly/CRA-PWA.'
              );

              // Execute callback
              if (config && config.onUpdate) {
                config.onUpdate(registration);
              }
            } else {
              // At this point, everything has been precached.
              // It's the perfect time to display a
              // "Content is cached for offline use." message.
              console.log('Content is cached for offline use.');
```



```

const contentType = response.headers.get('content-type');
if (
  response.status === 404 ||
  (contentType !== null && contentType.indexOf('javascript') === -1)
) {
  // No service worker found. Probably a different app. Reload the page.
  navigator.serviceWorker.ready.then(registration => {
    registration.unregister().then(() => {
      window.location.reload();
    });
  });
} else {
  // Service worker found. Proceed as normal.
  registerValidSW(swUrl, config);
}
})
.catch(() => {
  console.log(
    'No internet connection found. App is running in offline mode.'
  );
}));
}

export function unregister() {
  if ('serviceWorker' in navigator) {
    navigator.serviceWorker.ready.then(registration => {
      registration.unregister();
    });
  }
}

```

.env/

```

PORT=3000
NODE_ENV=development
REACT_APP_BACKEND_URL=http://localhost:8080

#The base URL for all locations. If your app is served from a sub-directory on your server, you'll
want to set
#this to the sub-directory. A properly formatted basename should have a leading slash, but no
trailing slash.
REACT_APP_ROUTER_BASE_NAME=

```

.gitignore/

```

# See https://help.github.com/articles/ignoring-files/ for more about ignoring files.

# dependencies
/node_modules
/.pnp
.pnp.js

# testing
/coverage

```

```
# production
/build

# misc
.DS_Store
.env.local
.env.development.local
.env.test.local
.env.production.local

npm-debug.log*
yarn-debug.log*
yarn-error.log*
```

package.json/

```
{
  "name": "nguyenlien",
  "version": "0.1.0",
  "private": true,
  "dependencies": {
    "@formatjs/intl-pluralrules": "^3.5.6",
    "@formatjs/intl-relativetimeformat": "^7.3.6",
    "@fortawesome/fontawesome-free-webfonts": "^1.0.9",
    "axios": "^0.21.1",
    "bootstrap": "^5.0.1",
    "connected-react-router": "^6.9.1",
    "lodash": "^4.17.21",
    "moment": "^2.29.0",
    "react": "^17.0.2",
    "react-auth-wrapper": "^1.0.0",
    "react-autosuggest": "^10.1.0",
    "react-custom-scrollbars-2": "^4.5.0",
    "react-dom": "^17.0.2",
    "react-flatpickr": "^3.10.7",
    "react-intl": "^5.20.2",
    "react-redux": "^7.2.4",
    "react-router": "^5.2.0",
    "react-router-dom": "^5.2.0",
    "react-scripts": "^4.0.3",
    "react-toastify": "^5.5.0",
    "reactstrap": "^8.9.0",
    "redux": "^4.1.0",
    "redux-auth-wrapper": "^2.1.0",
    "redux-logger": "^3.0.6",
    "redux-persist": "^5.10.0",
    "redux-state-sync": "^2.1.0",
    "redux-thunk": "^2.3.0",
    "typescript": "^4.3.2"
  },
  "scripts": {
    "start": "set NODE_OPTIONS=--openssl-legacy-provider && react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  }
}
```

```

},
"eslintConfig": {
  "extends": "react-app"
},
"browserslist": {
  "production": [
    ">0.2%",
    "not dead",
    "not op_mini all"
  ],
  "development": [
    "last 1 chrome version",
    "last 1 firefox version",
    "last 1 safari version"
  ]
},
"devDependencies": {
  "sass": "^1.89.2"
}
}

```

Database – MySQL

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]

XAMPP Control Panel v3.3.0

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	4836 10948	80, 443	<input type="button" value="Stop"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>
<input type="checkbox"/>	MySQL	12412	3306	<input type="button" value="Stop"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>