**Assignment Guide**

**Index**

1. Technology Used
2. DB Schema
3. Setting Up Things
4. Backend APIs
5. Current State of project with screen shots

**Technology Used**

**Laravel** for backend – root folder “panel”

**ReactJs** for frontend – root folder “panel-frontend”

**Database Schema**

1. **Users** Table – stores user information

A screenshot of a cell phone

Description automatically generated

1. **Roles** Table – stores all the roles available (admin, manager, employee, etc.)
   * Schema design and backend APIs are developed in a way which do not restrict number of roles to 3, as required in test.

A screenshot of a cell phone

Description automatically generated

1. **Permissions** Table – this table stores all the possible type of permission we can assign to a user, it considers three pages (profile, user and role) of our website.

Here are the permissions/Actions currently added for these pages:

|  |  |
| --- | --- |
| **PAGE** | **ACTIONS** |
| Profile | Show |
| user | Show, add, edit, delete |
| role | Show, add, edit, delete |

A screenshot of a cell phone

Description automatically generated

1. **role\_permission\_mappings** Table – this table stores role and permissions mapping, further role id is assigned to a user.

**A screenshot of a cell phone

Description automatically generated**

**Setting Up Things**

Backend:

In zipped file attached in mail “panel” folder contains the backend code, with composer.son file.

1. Resolve all the dependency in composer.json (although I also included vendor folder in zipped file)
2. Update DB credentials in .env file. (clear config cache if required)
3. Run migrations (php artisan migrate)
4. Run db seed (php artisan db:seed) – by default I have created a admin role who have all the permission its credentials are :

Email: [admin@gmail.com](mailto:admin@gmail.com)

Password: admin@123

1. Run laravel at http/127.0.0.1:8000
2. Backend APIs should be working now

Frontend:

In zipped file attached in mail “panel-frontend” folder contains the frontend code, with package.son file.

1. Resolve all dependency of package.json
2. Run npm start

**Backend APIs**

Postman collection is attached with the assignment.

**Current Project State Screen Shots**

* Backend APIs are Done (95-100% Completion)
* In Frontend user action performing tasks are not done due to time crunch, but their code structure and handling functions are created. (80-85% Completion)

**Login Page:**

A screenshot of a cell phone

Description automatically generated

**On successful Login Manager Role:**

A screenshot of a cell phone

Description automatically generated

**Manage Role Have only access to User Page and Profile Page, also on user Page they can perform Add action only:**

A screenshot of a cell phone

Description automatically generated

**On Successful Login Admin Role:**

A screenshot of a cell phone

Description automatically generated

**Admin can have access to all the pages and also and perform all actions:**

**A screenshot of a social media post

Description automatically generated**

**A screenshot of a cell phone

Description automatically generated**