# Project Overview.

# In this system, the Data of patient mostly the finance related data is being added here. It’s difficult to understand or keep a track of the bills for any user. Since there are a lot of scams going with respect to hospital and insurance companies when the final settlement is done. Block chain technology kills scope of manipulation and tampering of the data, here the insurance company has access to the bills added by the company plus it can added the bills which the patient has to cross verify if there has been any kind of manipulation by the hospital end.

# Features

## Functional Features

The system comprises of 4 major modules with their sub-modules as follows:

**System Admin:**

* **Login:** 
  + Hospital reception login using id and password.
* **Manage System Users:**
  + Add/ view.
* **Manage Hospitals:**
  + Add/update/Delete/view.

**Hospital Department:**

* **Login:** 
  + Hospital reception login using id and password.
* **Manage Patient:**
  + Add/update/Delete/view.
  + Manage Bills

**Medical Department:**

* **Login:**
  + Hospitals medical department can login from here.
* **Manage Bills:**
  + Add bills

**Insurance Company:**

* **Login:**
  + Insurance Company can login from here.
* **Patient Bills:**
  + Select Hospital & enter patient id
  + Recover all bills
  + Cross check with bills given by patient
  + Check for any tampering

## Nonfunctional Features

### Token-based authentication with the REST API

* Role based Authorization
* REST API

# How to Run The program

1. put a file in DB Folder and import the database to PhpMyAdmin
2. Open the PatientBackend folder in terminal and run composer install or composer update and then php artisan serve to run the project.
   * Requires composer and PHP to be installed in the machine globally
3. open PatientFrontend folder in terminal and run ‘npm install’ and then run ‘npm start’