Group Members Name:
   1) Name: Md. Rakibul Hasan, ID: 2111127642
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Project lists:

1)Project Name: Online Mobile and Gadget Store e-commerce website.

Project Information:
    In this project, we shall build up an E-Commerce website from scratch. As websites offering various products such as mobile , laptop, accessories like mobile covers , headphones and smart watches etc. we have decided to build a website that will feature products such as these, will provide necessary product pictures and descriptions and price, and also the option to purchase by adding them to a cart.

Technology:
- ❖ FRONTEND
    - ▪ HTML
    - ▪ CSS->bootstrap/tailwind
    - ▪ React.js (maybe)

- ❖ BACKEND
    - ▪ PHP
    - ▪ MYSQL
    - ▪ APIs

Functions:
For Customer:
->Online registration : Customer has to register/singup and login to the website to order products
->View Product: Customers can view products, view product details, shipping info and price, add items to cart, delete from cart before final submission,

->Payment Method: Customers will have the option to select different payment methods such as Debit or Credit cards, BKash or nagad Payment or cash on delivery etc.

For admin*:*
->Category: Admin can add category, view, publish, unpublished, edit and delete category.
->Product: Admin can add product, view, publish, unpublished and delete product.
->Product delivery status: Admin can update sold product status.
->Product stock status: Admin can update product availability
->Product discount: Admin can give some discount on particular product

2)Project Name: Railway Reservation Management System.
Project Information:
        In this project, we are creating a database about Railway Reservation System. The railway reservation system facilitates the passengers to enquire about the trains available on the basis of source and destination, booking and cancellation of tickets, enquire about the status of the booked ticket, etc. The aim of case study is to design and develop a database maintaining the records of different trains, train status, and passengers. The record of train includes its number, name, source, destination, and days on which it is available, whereas record of train status includes dates for which tickets can be booked, total number of seats available, and number of seats already booked. Passengers can book their tickets for the train in which seats are available.
Technology:
❖ FRONTEND
▪ HTML
▪ CSS->bootstrap/tailwind
▪ React.js (maybe)

❖ BACKEND
▪ PHP
▪ MYSQL

- APIs

Functions:

For Customer:

->Online registration : Customer has to sing up and login to the website to book their destination ticket. Here, customers can view their train name, destination, arrival time, departure time, availability of seats train no, cancel ticket etc.

->Payment Method: Customers will have the option to select different payment methods such as Debit or Credit cards, bKash or nagad Payment etc.

For admin:

->Here, admin can add a train, increase seat availability, blocked many seats, and delete a train schedule etc. This data base is helpful for the applications which facilitate passengers book the train tickets and check the details of trains and their status from their place itself it avoids inconveniences of going to railway station for catch and every query they get.

3)Project Name: Library Database Management System

Project Information:

In this project we will build up a Library Database System. Which will contain all information about Library's Branches, Library's Employees, Library's Members, Books available in the Library, Book issue status and Return status.

Technology:
❖ FRONTEND
  - HTML
  - CSS->bootstrap/tailwind
  - React.js (maybe)

❖ BACKEND
  - PHP
  - MYSQL
  - APIs

Functions:

Add Employee: In this section employee's information can be added.

Add Book: In this section Book's information can be added.

Add Member: In this section new member's information can be added.

Search: In will check is any book available on this library or not. If available then where can it be found.
Book Issue: In this section Book Issue information can be added.
Book Issue: In this section Book Issue information can be added.
Book Return: In this section Book Return information can be added.
Book Issue & Return Status: It will show the information of books issue and return.

4)Project Name: Online Gaming cards and accessories selling website.

Project Information:

In this project, we shall build up an E-Commerce website from scratch. As websites offering various games gift cards such as valorant ,pubg ,fortnite and steam wallets etc etc. we have decided to build a website that will feature products such as these, will provide necessary product pictures and descriptions and price, and also the option to purchase by adding them to a cart.

Technology:
❖ FRONTEND
  ▪ HTML
  ▪ CSS->bootstrap/tailwind
  ▪ React.js (maybe)

❖ BACKEND
  ▪ PHP
  ▪ MYSQL
  ▪ APIs

Functions:
For Customer:
->Online registration : Customer has to register/singup and login to the website to order products
->View Product: Customers can view products, view product details, info and price, add items to cart, delete from cart before final submission,
->Payment Method: Customers will have the option to select different payment methods such as Debit or Credit cards, BKash or nagad Payment etc.

For admin*:*

->Category: Admin can add category, view, publish, unpublished, edit and delete category.

->Product: Admin can add product, view, publish, unpublished and delete product.

->Product delivery status: Admin can update sold product status.

->Product stock status: Admin can update product availability