**GROUP 2  
FINAL GROUP PROJECT**

## **Group Members-**

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**A proposal containing your group's idea for the website-**

We decided that for the purpose of implementing the concepts and skills learned in our course, an e-commerce website was needed that offers video games for sale. This concept consists of three static pages, with two of them interacting with the database. This framework is called MEAN.

**What type of data will you be storing in the MongoDB database?**

We are using MongoDB, a NoSQL database using JSON-like documents with optional schemas. MongoDB is open-source and free to use.

String input which relates to the data related to the product being sold on the website. We are storing data like Name, banner, Developer, Rating, Price, and Genre. The following database references to the schema that was defined for the corresponding database, collection and website. All the input types has a type, modelling and validation parameter to it.

**How will the user interact with the data and which REST API requests will you implement?**

A REST API (also known as RESTful API) is an application programming interface (API or web API) that conforms to the constraints of REST architectural style and allows for interaction with RESTful web services. REST stands for representational state transfer.

REST is a set of architectural constraints, not a protocol or a standard. API developers can implement REST in a variety of ways.

Get, Put, Delete are the methods we have implemented.

|  |  |
| --- | --- |
| GET | Retrieve information about the REST API resource |
| PUT | Update a REST API resource |
| DELETE | Delete a REST API resource or related component |

So, when a client request is made via a RESTful API, it transfers a representation of the state of the resource to the requester or endpoint. This information, or representation, is delivered in one of several formats via HTTP: JSON, HTML, XLT, Python, PHP, or plain text. JSON is the most generally popular file format to use because, despite its name, it’s language-agnostic, as well as readable by both humans and machines.

**What role will Angular play in your project**

Angular (commonly referred to as "Angular 2+" or "Angular CLI") is a TypeScript-based free and open-source web application framework led by the Angular Team at Google and by a community of individuals and corporations. Angular is a complete rewrite from the same team that built AngularJS.

Angular is used as the frontend of the MEAN stack, consisting of MongoDB database, Express.js web application server framework, Angular itself (or AngularJS), and Node.js server runtime environment.

Hence, in this project we are using Angular Js as a front-end web development framework where web pages are designed using bootstrap. Also, along with the implementation of the directives and services to access data from database.