EXGAMES

**Members:**

Zhi Wei He Zheng Victor Gong

Suman Dutta Seung Hoon Lee

**Getting Start:**

User require to register an account in order to browse other pages. Once login, user can create post, view other posts on main page or search for specific post. If buyer is interested in a post, they can send a message to seller. After seller receive the message, they can arrange trade detail.

[insert “heroku stuff if needed to setup our app” ]

**Design Decisions:**

We follow MVC design strictly while implementing our application, hence we choose express as our main framework to generate basic MVC structure.

Model: We choose mongoDb with mongoose modeling because mongoose provide simple data schema with built-in type casting and validation which greatly simplify form submission between pages.

Views: we choose EJS as our template because it generate HTML, CSS markup with simple JavaScript. So everything we needed to display data, information is located in views.

Controller: We use Express as our core framework , all major function such as register, create post , login authentication are all located here.

**Missing features ( rating system?):**

**Security: (Hash passwords)**

**Performance:**

Using Locust.io to test our web performances with standard 300users with spawn rate at 10user/second. Ideally, we will implement indexes on our mongoose database to increase performances. This will prevent mongoose scan every document in a collection on every query request from users, if indexes were implemented properly, it can limit the number of document it must inspect thus increase efficiency.



