**Introduction:**

In this task we are going to list out the all the requirements and categorize them using MoSCoW prioritization. We also categorize them based on the functional and non-functional requirements. Using all the requirements Use Case diagram is also drawn and ER diagram has been also drawn. The initial class diagram for the project has been also made. The required UI design for the project has been made.

**Analysis**

**Functional Requirements:**

The functional requirement is describing the behavior of the system as it relates to the system's functionality. The non-functional requirement elaborates a performance characteristic of the system.

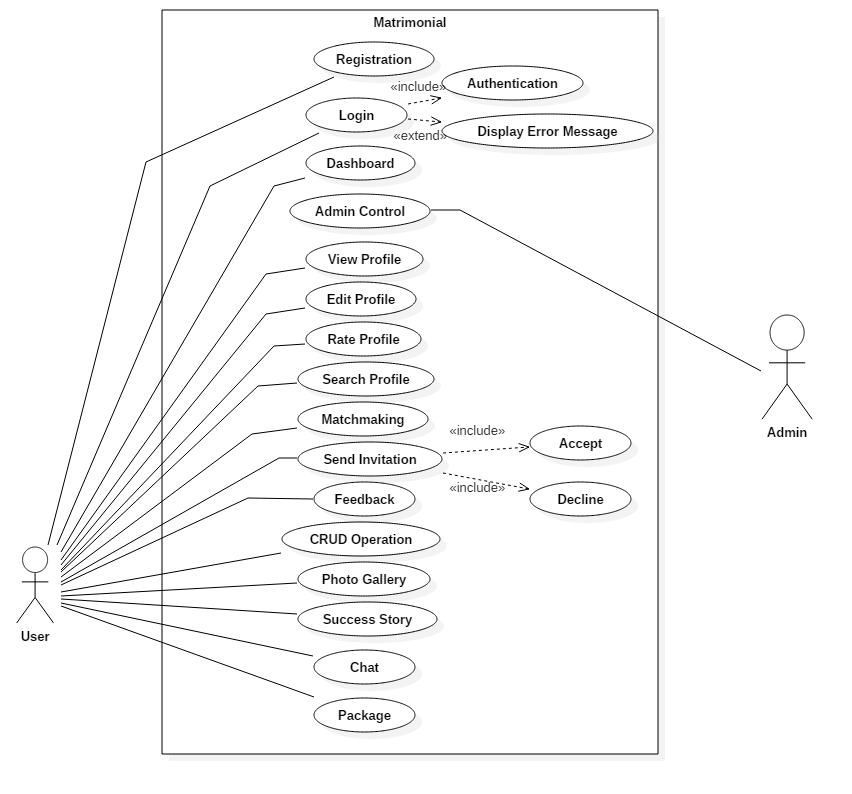
**Non-Functional Requirements:**

Non-functional requirements are sometimes defined in terms of metrics (i.e. something that can be measured about the system) to make them more tangible. Non-functional requirements may also describe aspects of the system that don't relate to its execution, but rather to its evolution over time (e.g. maintainability, extensibility, documentation, etc.).

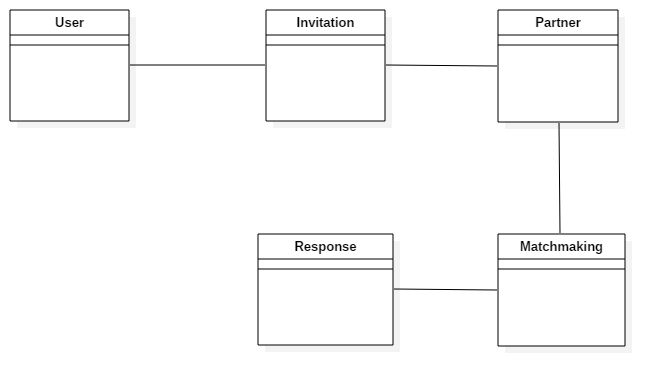
Requirements:

|  |  |  |
| --- | --- | --- |
|  | Requirements | MoSCoW |
| R1(F) | Registration | M |
| R2(F) | Login | M |
| R3(F) | Dashboard | M |
| R4(F) | Admin Control | M |
| R5(F) | View Profile | S |
| R6(F) | Edit Profile | S |
| R7(F) | Rate Profile | S |
| R8(F) | Search Profile | S |
| R9(F) | Matchmaking | M |
| R10(F) | Send Invitation | S |
| R11(F) | Feedback | W |
| R12(F) | CRUD Operation | M |
| R13(F) | Photo Gallery | C |
| R14(F) | Success Story | C |
| R15(F) | User Friendly | M |
| R16(NF) | Security | M |
| R17(F) | Message | S |
| R18(NF) | Performance | W |
| R19(NF) | Maintainability | S |
| R20(NF) | Usability | S |

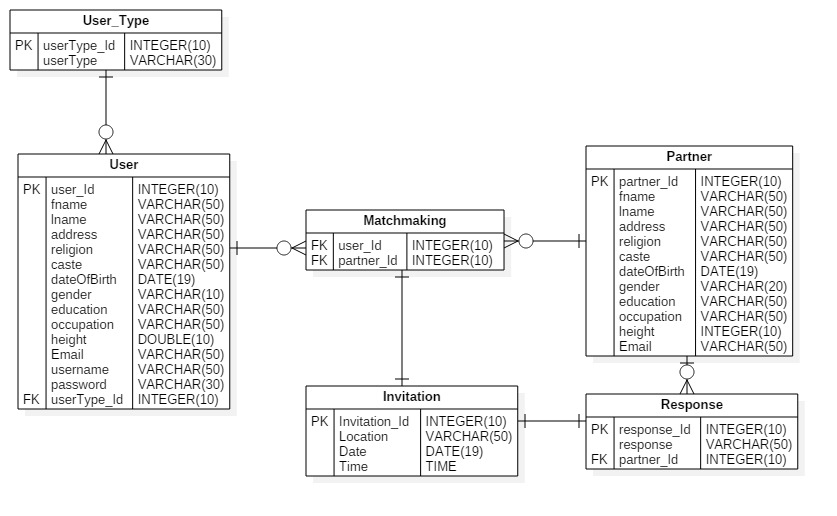
Use Case Diagram:



Initial Class Diagram:

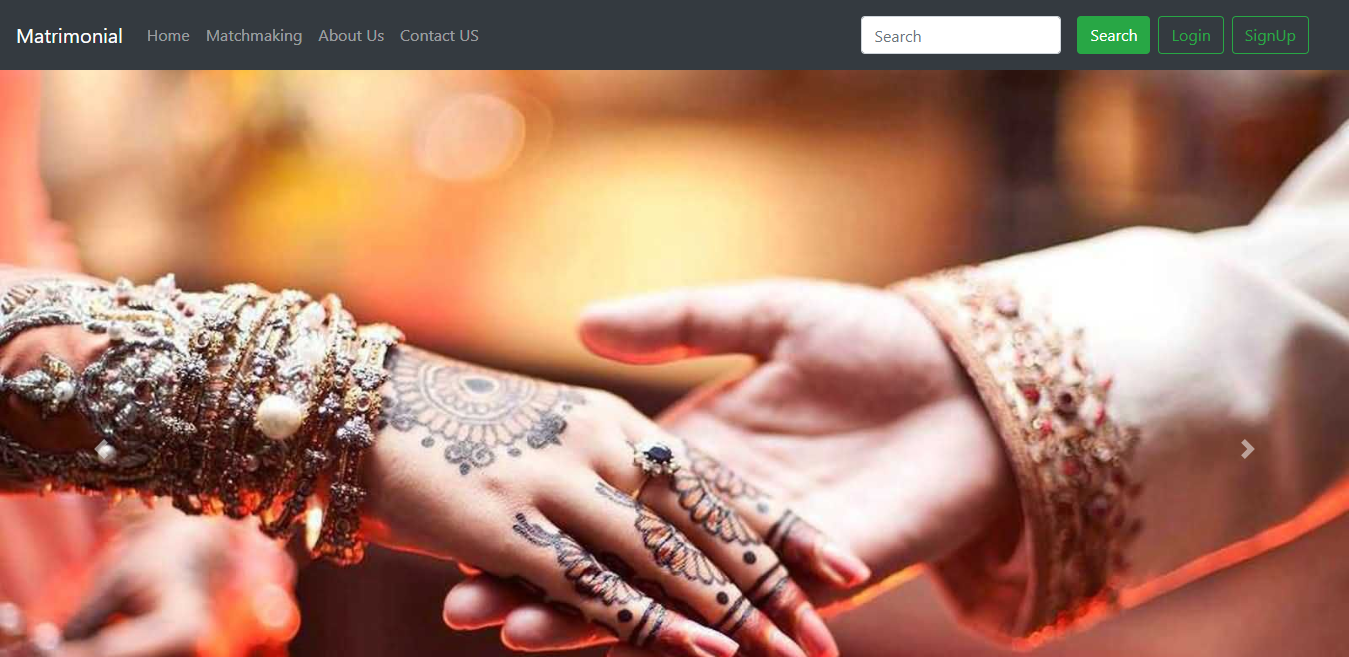


ER Diagram:

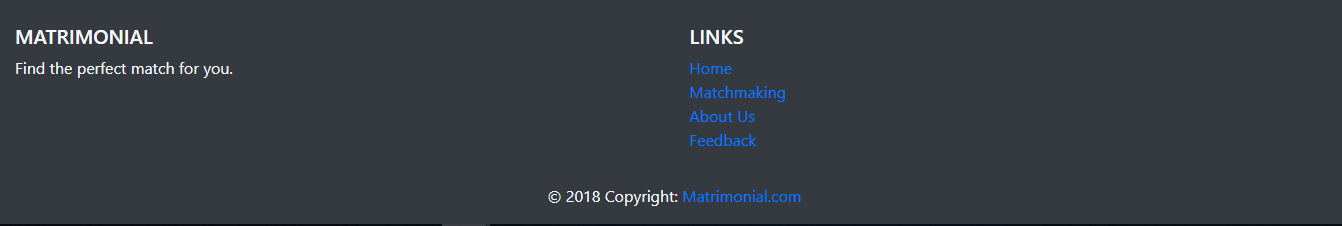


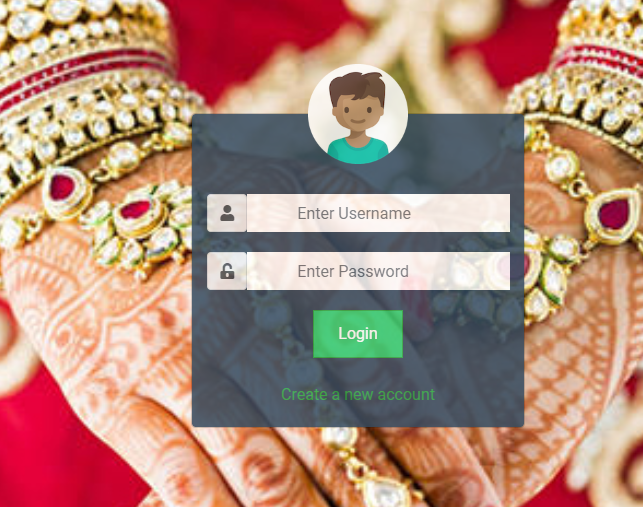
UI Design:

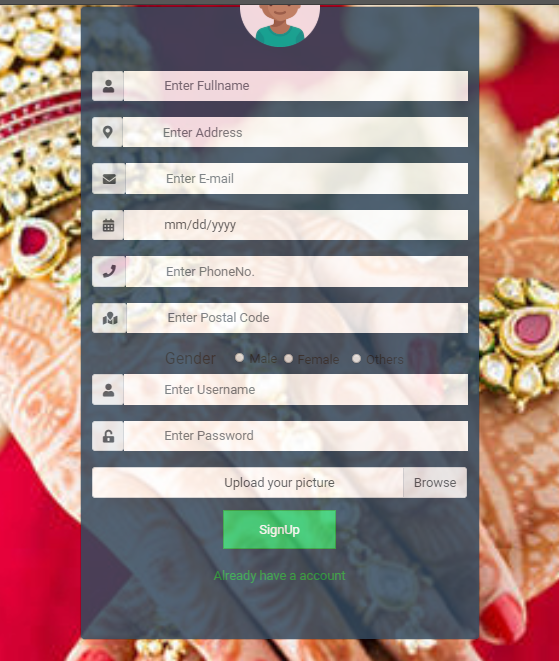
Homepage:

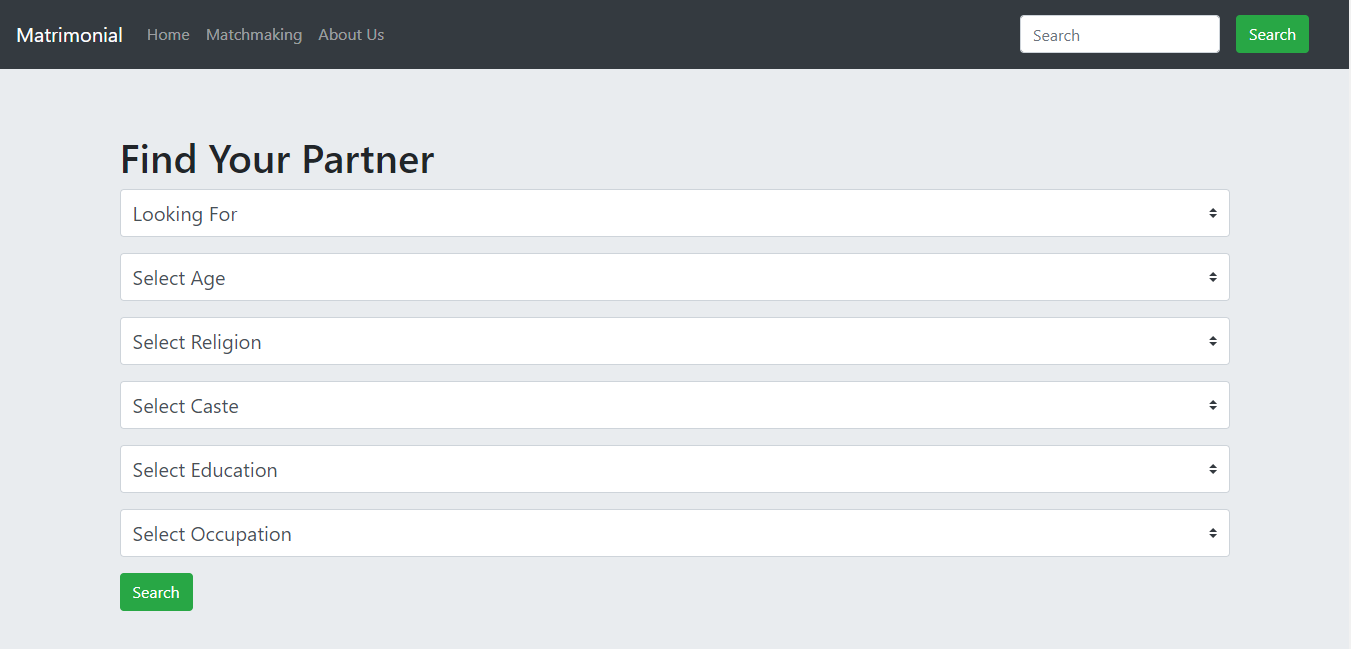


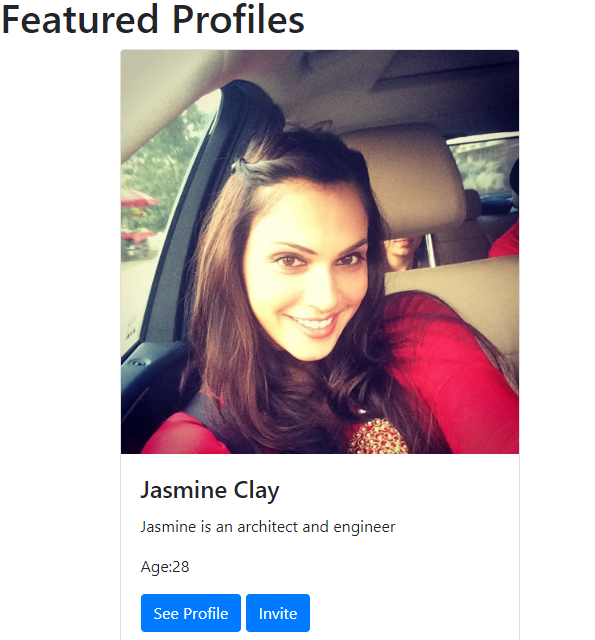
Footer:

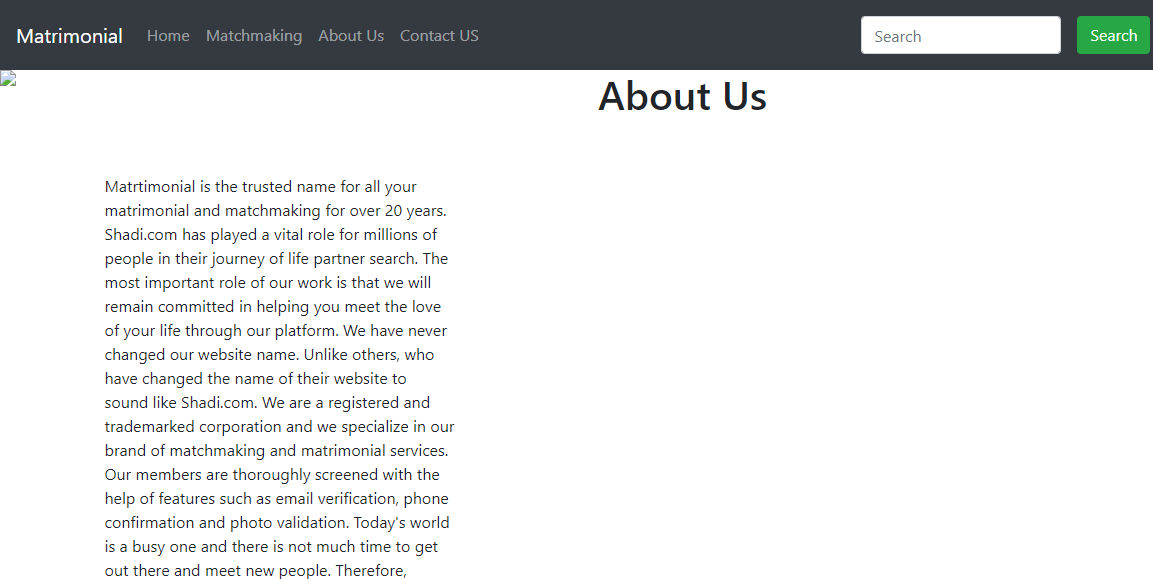


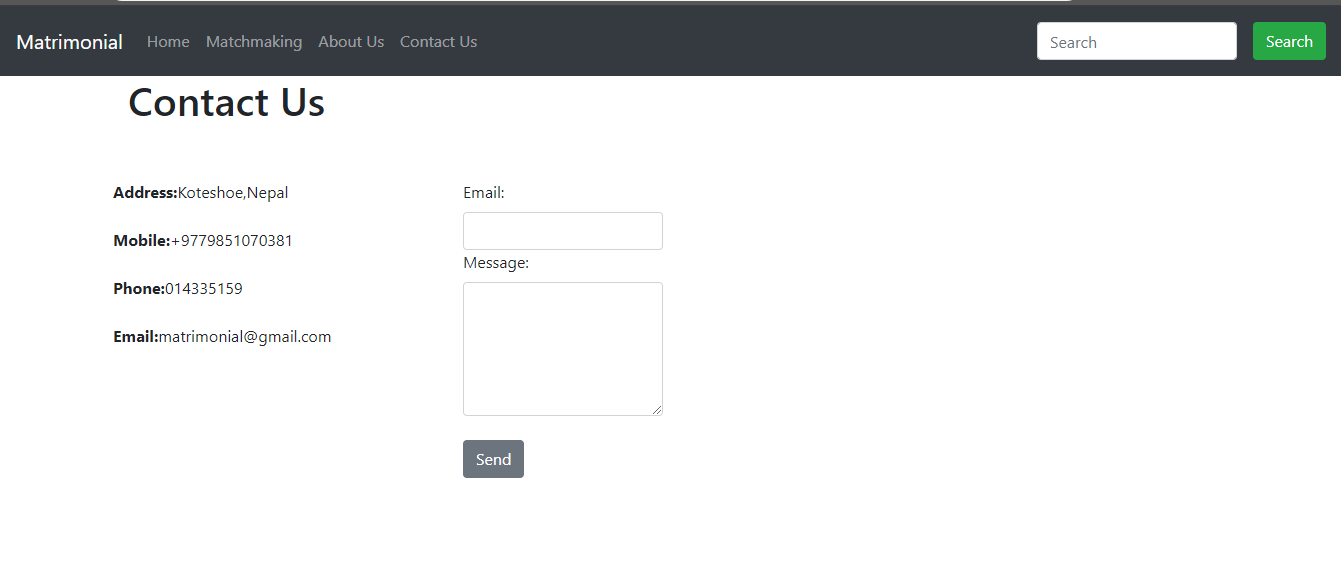
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