Group 5

Last Chance Saloon

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# Introduction

This project will be to produce an online dating agency. The basic functionality should allow users to register and describe themselves, as well as browse other users and perform various searches (e.g. list all men over 25 who listed swimming as a hobby).

# High Level functionality

|  |  |  |  |
| --- | --- | --- | --- |
| *US001* | **User Profile** | *Priority* | **High** |
| *As A* | User | *Estimate* |  |
| *I would like* | To be able to create a user profile indicating my preferences for a partner | | |
| *Because* | I am seeking a relationship with another person | | |
| *Acceptance Criteria* | I can record the following details:   * Name * Email * Age * Sex * Partner sex * Password * Location   I have the option of recording the following:   * Interests * Hobbies * Type of relationship * Age profile of partner   User can only create a profile if they are over the age of 18  Passwords are ranked in order of secureness | | |

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| *US001* | **Profile Matching List** | *Priority* | **High** |
| *As A* | User | *Estimate* |  |
| *I would like* | To be able to see a list of people who are matched to my preferences with a scale showing their percentage match which includes location | | |
| *Because* | I would like to see a list of potential partners which is ranked based on my likes and location | | |
| *Acceptance Criteria* | * Based on my preferences I can see a list of matching potential partners * Location is included in the ranking with a high weighting | | |

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| *US001* | **Initiate Request** | *Priority* | **High** |
| *As A* | User | *Estimate* |  |
| *I would like* | Initiate a meeting with a person listed on my match list | | |
| *Because* | I would like to be able to request a meeting with a potential partner | | |
| *Acceptance Criteria* | * When I make a request to meet a person, I can see a limited set of details from their profile * When I make a request, that person can see a limited set of details from my profile * The request will expire after a number of days | | |

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| --- | --- | --- | --- |
| *US001* | **Receive Request** | *Priority* | **High** |
| *As A* | User | *Estimate* |  |
| *I would like* | To be able to see a list of requests from other users | | |
| *Because* | I need to see potential partners who are interested in meeting me | | |
| *Acceptance Criteria* | * List of requests are visible and my match ranking is included * I can accept, reject or request additional information * When I receive a request, that person can see a limited set of details from my profile * If I accept a request, I can see more information on the user | | |

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| *US001* | **Moderation** | *Priority* | **High** |
| *As A* | System Moderator | *Estimate* |  |
| *I would like* | To be able to oversee communications between users and block illegal or explicit content | | |
| *Because* | The web site has a duty of care to their users | | |
| *Acceptance Criteria* | * A black list of words is maintained * Content containing black listed words is automatically blocked * The request will expire after a number of days * Option to report inappropriate content is available to users * Option to ban users from using the site | | |

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| *US001* | **Password reset** | *Priority* | **High** |
| *As A* | User | *Estimate* |  |
| *I would like* | To be able to reset my password | | |
| *Because* | I forgot my password | | |
| *Acceptance Criteria* | * Other users cannot reset my password | | |

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| --- | --- | --- | --- |
| *US001* | **Security** | *Priority* | **High** |
| *As A* | System administrator | *Estimate* |  |
| *I would like* | To have security built into the website to prevent Denial of Service (Dos) and other forms of malicious code from being stored in the database | | |
| *Because* | I want to ensure availability of the website to our users | | |
| *Acceptance Criteria* | * SQL Injection attacks are blocked * Malicious code is prevented from being added to the database * Users cannot initiate any form on the site without first having a profile * Users must communicate using the HTTPS protocol (if this is possible using the UL site) | | |

# Web Page Mock Ups

## Database Tables

Table 1 user\_profile

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Primary** | **Foreign** |
| id |  | Yes |  |
| password\_hash |  |  |  |
| first\_name |  |  |  |
| surname |  |  |  |
| email |  |  |  |
| date\_of\_birth |  |  |  |
| sex |  |  |  |
| Gender\_preference\_id |  |  | yes |
| city |  |  |  |
| county |  |  |  |
| Black\_listed\_user |  |  |  |
| Black\_listed\_reason |  |  |  |
| Black\_listed\_date |  |  |  |
| User\_status |  |  |  |

Table2 match\_table

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| Initiating\_user\_id |  | yes |
| Initiation\_date |  |  |
| Initiation\_interest\_level |  |  |
| Initiation\_prefered\_meeting\_location |  |  |
| Initiating\_preferred\_meet\_datetime |  |  |
| status |  |  |
| Status\_date |  |  |
| Reciprocating\_user\_id |  | yes |
| Reciprocatin\_response\_date |  |  |
| Reciprocating\_response |  |  |
| Reciprocating\_interest\_level |  |  |

Table 3 user\_communication

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| id |  |  |
| from\_user\_id |  | yes |
| date |  |  |
| message |  |  |
| status |  |  |
| To\_user\_id |  |  |
| Replying\_to\_communication\_id |  |  |
| Black\_listed |  |  |
| Black\_listed\_date |  |  |
| Black\_listed\_word\_id |  |  |

Table 4 perferred\_age\_ranges

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| id |  | yes |
| From\_age |  |  |
| to\_age |  |  |

Table 5 black \_list\_words

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| id |  | yes |
| word |  |  |

Table 6 user\_seek\_code

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| User\_id |  | yes |
| Seek\_code\_id |  |  |

Table 7 seek\_code\_master

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| id |  | yes |
| Seek\_description |  |  |

Table 8 user\_interests

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| User\_id |  | yes |
| Interest\_id |  | yes |

Table 9 interests

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Primary** |
| id |  | yes |
| type |  |  |
| description |  |  |

# Process List