

# Hitch Dating Platform

## Statement of Work

Version	Date	Author	Description
1.0	15 <sup>th</sup> May 2021	Notion Infosoft	Standard Tasks List for Dating Platform

# Table of Contents

Hitch Dating Platform .....1

Statement of Work .....1

1 PURPOSE OF DOCUMENT .....4

2 PROJECT OVERVIEW .....5

2.1 Stakeholders .....5

2.2 Revenue Model .....5

3 SOME IMPORTANT REMARKS .....6

4 TECHNOLOGY PLATFORM.....7

4.1 Web Application Development .....7

4.2 Responsive Design & Browser Compatibility .....7

4.3 iOS Application Development.....7

4.4 Android Application Development.....7

5 GENERAL PROJECT FLOW .....8

6 FUNCTIONAL REQUIREMENTS – MODULES TO BE ADDED .....9

6.1 Sign Up.....9

6.1.1 Sign Up Front-end Specifications.....9

6.2 Sign In .....9

6.2.1 Sign In Front-end Specifications .....9

6.3 Home Page..... 10

6.3.1 Home Page Front-end Specifications ..... 10

6.3.2 My Matches ..... 11

6.3.3 Messages ..... 11

6.4 Membership Plans..... 12

6.5 My Profile ..... 12

7 Admin Panel Specifications ..... 14

7.1 Manage Users..... 14

7.2 Membership Module..... 15

7.2.1 Admin-end Specifications ..... 15

7.3 Advertisement Module..... 16

7.4 Admin Panel..... 17

7.4.1 Admin Panel Specifications ..... 17

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8	NON-FUNCTIONAL REQUIREMENTS .....	21
8.1	General Non-Functional Requirements .....	21
8.1.1	Payment Gateway .....	21
8.1.2	List of Other 3 <sup>rd</sup> Party API's .....	21
8.1.3	Other Common Features .....	21
8.2	Security .....	22
8.3	Design .....	22
8.3.1	Custom Design .....	22
8.3.2	Logo .....	22
8.4	Maintenance Support .....	22

## 1 PURPOSE OF DOCUMENT

The document provides an overview of the project in terms of the features and the functionalities to be included in the scope of it. Further, it outlines the functional and the non-functional requirements of the project to ensure successful implementation and execution. Lastly, it is created to ensure that both the parties – the client and the team are on the same page when it comes to understanding the project requirements.

## 2 PROJECT OVERVIEW

### 2.1 Stakeholders

- Users – Users are the ones who will be using the platform for dating other users of opposite gender
- Admin – Admin will be the one who will be managing the platform from the backend

### 2.2 Revenue Model

- The revenue model for the proposed project is as follows
  - Membership Plans – There will be different types of membership plans for the users and the user who have purchased the plan will have the following features
    - Unhitch – Rewind your Swipe
    - Travel to Hitch Around World – Get matches from different locations
    - Unlimited Right Swipes
    - No Ads
    - Hide Distance
    - Hide Age
    - Appear in Top Hitches
    - Know in Advance who likes you
    - Direct Message without Match

### 3 SOME IMPORTANT REMARKS

- Fields marked with (\*) are mandatory fields and user will have mandatorily enter data in those fields

## 4 TECHNOLOGY PLATFORM

### 4.1 Web Application Development

- The web application has to be developed in core PHP for the front end and MySQL for Database configuration. AJAX, JavaScript and JQuery would be used as per the requirements and needs.

### 4.2 Responsive Design & Browser Compatibility

- We support browser compatibility in Google Chrome, Mozilla Firefox, Safari and Internet Explorer (versions 10 and above). We do not support IE7 and IE8 issues.
- For desktops, the resolution supported would be 1024\*768 onwards. Any resolution below this would not be supported for desktops.

### 4.3 iOS Application Development

- Minimum OS Support: 12.0
- Maximum OS Support: 14.0
- Orientation: Portrait
- Device: iPhone (Above iPhone 4S and Above)
- Maximum Resolution Support – 1920\*1080 pixels

The web service will be developed in core PHP and MySQL for Database

**Remarks:** - Web service interface will be provided to connect application with admin panel

### 4.4 Android Application Development

- Minimum OS Support: 9.0
- Maximum OS Support: 10.0
- Orientation: Portrait
- Device: Smartphones (4.5 inch to 6.0 inch for Phones)
- Maximum Resolution Support – 2560\*1440 pixels

The web service will be developed in core PHP and MySQL for Database

**Remarks:-** Web service interface will be provided to connect application with admin panel

## 5 GENERAL PROJECT FLOW

- Any user can sign up on the platform using the Email ID or Facebook ID.
- User can setup their profile.
- They will get the list of users near to their location.
- The user will also be able to search the users based on the filters.
- The user can swipe right if they like the other user or can swipe left if they don't like the user.
- If there is a match between user then they will be able to chat with one another.
- If user have paid then they will be able to rewind the swipe, have unlimited swipe, can hide their age, will get suggestions from all over the world, there won't be ads and many more features.
- The user will be able to block another user.
- The user can see the profile of the user who have liked their profile.
- The user can unmatched another user.
- The user connects to their Instagram account and show 15 recently uploaded features.



## 6 FUNCTIONAL REQUIREMENTS – MODULES TO BE ADDED

### 6.1 Sign Up

#### 6.1.1 Sign Up Front-end Specifications

- Sign Up Module consists of following details
  - Select Gender\*
  - Enter First Name
  - Enter Last Name
  - Enter Contact No.
  - Enter Password
  - Enter Confirm Password
  - Submit – Once user clicks on Submit user will receive an OTP on his/her mentioned no. and after verification s/he will be able to use the platform
  - Sign Up with Facebook – The user will be able to sign up with his/her Facebook account. Clicking on this, the user will be redirected to the sign-in page of Facebook. The user needs to sign-in into his/her Facebook account there and the user's Email ID, First name, Last name and Gender will be fetched from the Facebook account.
  - Sign Up with Google – The user will be able to sign up with his/her Google account. Clicking on this, the user will be redirected to the sign-in page of Google. The user needs to sign-in into his/her Google account there and the user's Email ID, First name, Last name and Gender will be fetched from the Facebook account.

### 6.2 Sign In

#### 6.2.1 Sign In Front-end Specifications

- This module will have following details
  - Sign In with Email ID – A registered user can login to the site with his/her credentials and will have following details
    - Enter Contact No.\*
    - Enter Password\*
    - Login - Clicking on the login button, the user will be redirected to the home page, provided the entered credentials are correct. In case the credentials entered do not match, the user will receive a notification about the incorrect credentials.
    - Remember Me – There would be a checkbox of “remember me” near the login button. If user has checked that particular checkbox, then the password of that user would be saved in the browser cache and user would not be required to re-enter the password, next time he/she logins
    - Forgot password – There would be link of “forgot password” below “login” button. If user forgets his/her password, he/she can click the link. Once the link is clicked, he/she would be required to enter the contact no. in the text box for which he/she has forgotten the password. Once he/she enters the contact no. and clicks “submit” button, an OTP will be sent to that

particular contact no. and after entering the OTP, user will need to enter new password. If the account with the contact no. entered by the user does not exist, the user will receive an error message about the account not in existence.

- Sign In with Facebook – If the user is already registered, he will be able to sign in with Facebook account. Clicking on this, the user will be redirected to the sign-in page of Facebook. The user needs to sign in into his/her Facebook account there and the user's email ID, first name and last name will be fetched from the Facebook account and the sign-up procedure will be repeated for "Sign Up with Facebook", if the user is not registered. In case the user is registered, the user will be signed in to his/her account and will be redirected to the home page.
- Sign In with Google – If the user is already registered, he will be able to sign in with Google account. Clicking on this, the user will be redirected to the sign-in page of Google. The user needs to sign in into his/her Google account there and the user's email ID, first name and last name will be fetched from the Google account and the sign-up procedure will be repeated for "Sign Up with Google", if the user is not registered. In case the user is registered, the user will be signed in to his/her account and will be redirected to the home page.

## 6.3 Home Page

### 6.3.1 Home Page Front-end Specifications

- Home Page will have following sections

#### 6.3.1.1 Banner Ads

- There will be banner ads on various pages. This ads won't be displayed to the user who have purchased the plan.

#### 6.3.1.2 Search

- Male and Female users both can search on the platform from the Home Page. It consists of following details
  - Select Gender
  - Select Age – It would be a slider option
  - Select Sexual Orientation
  - Select Religion
  - Select Distance – It would be a slider and for free users, the maximum range for distance will be 150 kms. only and if user has opted for any membership plan it would be more
  - Search – When user clicks on Search s/he will be redirected to Search Result Page

#### 6.3.1.3 Nearby Members

- This section is visible users. It will show the users who are in the nearby search radius. It will have following details
  - Age
  - Distance
  - Mutual Interests
  - Job/Business

- Company
- Education (Add the highest : school/University)
- Current Location (Living in)
- Gender(M/F)
- Sexual Orientation (Straight/Gay/Lesbian/Bisexual/Demisexual/Pansexual/Queer/Aromatic)
- User age
- Swipe Right or Left – If swipe right then profile will be liked and if left then it will be counted disliked.

### 6.3.2 My Matches

- Herein, the user will be able to view their matches and it will have the following details
  - Age
  - Distance
  - Mutual Interests
  - Job/Business
  - Company
  - Education (Add the highest : school/University)
  - Current Location (Living in)
  - Gender(M/F)
  - Sexual Orientation (Straight/Gay/Lesbian/Bisexual/Demisexual/Pansexual/Queer/Aromatic)
  - User age
  - Message (button) – The user will be able to send the message.
  - Unmatch (button) – The user will be able to un-match the user.
  - Block User
  - Filters – The user will be able to filter the search results based on the following details
    - Gender
    - Age
    - Sexual orientation
    - Religion
    - Distance

### 6.3.3 Messages

- The user will be able to send the messages and it will have the following details
- Users will be able to chat with other users from this section. It consists of following details
  - Search by keyword – User will be able to search in this section by using keywords
  - Inbox – Inbox consists of following details
    - User Name
    - User Profile Image Thumbnail
    - Message Description – User will be able to see the short description about the last message received/sent for that user
    - Enter Message – User will be able to enter the message description in this section

- Upload Files – User will be able to upload an Image or a video file from this option from their system. The file will be visible to the viewer for the display time defined by Admin from the Admin Panel
- Send Message - By clicking on send the message will be sent
- Delete Thread - By clicking on delete the message will be moved as trash message.
- Deleted Messages – Users will be able to view all the threads that are deleted by him/her in this section

## 6.4 Membership Plans

- The user will be able to view and purchase the membership plan and it will have the following details
  - Plan Name
  - Plan Price
  - Plan Features
  - Plan Duration
  - Purchase – By clicking on it, the user will be redirected to Payment Gateway.

## 6.5 My Profile

- The user will be able to set their profile and it will have the following details
  - Select Date of Birth
  - Select Distance
  - Select Mutual Interests
  - Enter Job/Business
  - Enter Company
  - Enter Education (Add the highest : school/University)
  - Enter Current Location (Living in)
  - Select Gender(M/F)
  - Select Sexual Orientation  
(Straight/Gay/Lesbian/Bisexual/Demisexual/Pansexual/Queer/Aromatic)
  - Connect to Instagram – User will be able to connect his/her Instagram account

### 6.5.1.1 Static Pages

- Static Pages will be managed by Admin from Content Management System.

#### 6.5.1.2 Push Notifications

- User(s) will be able to view all the notifications that s/he has received in this section. The notifications are non-clickable and can only be viewed

#### 6.5.1.3 Payment History

- This section will show all the details about the payments made on the platform. It will have following details
  - Search by keywords – User can search by keyword for a specific transaction from the history
  - Transaction ID
  - Date
  - Amount

#### 6.5.1.4 Account Settings

- Account settings consists of following details
  - Change Password – The user can change the password if he/she wants to. It will containing the following details
    - Enter Old Password\* – The user needs to enter the old password. The password will be changed only if the Old Password entered by the user is correct
    - Enter New Password\* – The user can enter the new password
    - Re-enter New Password\* – The user has to re-enter the new password
    - Save/Cancel – By clicking on 'Save', changes will be saved and by clicking on 'Cancel' changes made are not saved
  - Payment ID – It will show the registered Email ID of the user on the Payment gateway
  - Delete Account – User will be able to delete the account from the section

#### 6.5.1.5 Logout

- Clicking on this, the user will be logged out from the site

## 7 Admin Panel Specifications

### 7.1 Manage Users

- User management will have following details
  - Search by keyword
  - User name
  - User Email ID
  - User Gender
  - User Age
  - User Date of Birth
  - Status (Activate/Deactivate)
  - Operations – View/Edit/Delete
  - View Details – View Details will have following details
    - User Name
    - User Profile Image Thumbnail
    - User Email ID
    - User Gender
    - User Date of Birth
    - User Age
    - Status (Active/Deactivate)
  - Edit Details – Edit details will have following details
    - Enter User First Name\*
    - Enter User Last Name\*
    - Upload User Profile Image Thumbnail
    - Select User Gender
    - Select User Date of Birth
    - Save/Cancel – By clicking on ‘Save’, changes will be saved and by clicking on ‘Cancel’, changes made are not saved
  - Delete – Admin will be able to delete any record from the admin panel. If any user is deleted from the platform, s/he will have to sign-up again.

## 7.2 Membership Module

### 7.2.1 Admin-end Specifications

- Manage Membership plan will have following details
  - Search by keyword – Admin will be able to search the results by entering search keywords
  - Membership Plan Name
  - Membership Plan Duration
  - Membership Plan Price
  - View Details
    - Membership Plan name
    - Membership Plan Duration
    - Membership Plan Price
    - Membership Plan Description
  - Edit Details
    - Membership Plan name
    - Membership Plan Duration
    - Membership Plan Price
    - Membership Plan Description
    - Save/Cancel - By clicking on 'Save', changes will be saved and by clicking on 'Cancel', changes made are not saved

### 7.3 Advertisement Module

- Google AdSense API will be integrated for showing the Ads on the platform.
- Two slots (Horizontal and Vertical) will be provided to display the ads on the website as well as app



## 7.4 Admin Panel

### 7.4.1 Admin Panel Specifications

#### 7.4.1.1 Admin Login

- Admin will be login to admin panel using his/her credentials. Admin needs to enter details as follows-
  - Enter User Name\*
  - Enter Password\*

**Remarks:** - Fields marked as \* are mandatory fields for admin to login to admin panel

- Here two options are also provided to admin which are as follows –
  - Remember me – Admin will have an option to select the ‘Remember me’ check-box. By clicking on this option, login credentials of admin will be saved and from the next time it will help admin to log in to admin panel
  - Forgot Password – Admin will have facility to click on ‘Forgot password’ link if admin has already forgotten his/her password. Admin will receive a password reset link on his email ID where he will need to enter the New Password and Re-enter the new password.

#### 7.4.1.2 General

##### 7.4.1.2.1 Admin Home

- Once admin is logged in, he/she will be redirected to admin panel home. There will be a text mentioned in the header as ‘Welcome admin’
- Beside the ‘Welcome’ link, there will be an option for the admin to log out from his/her account
  - Log Out – By clicking on this option, admin will successfully be able to log out from his/her account

##### 7.4.1.2.2 Site Settings

- Admin will be able to view and edit details of site settings, site settings contains details as follows-
  - Site Name\*
  - Site Logo\* – Admin will be able to upload/change logo by browsing from the system
  - Admin Name\*
  - Admin Email\*
  - Upload Home Page Banner Image\*
  - Upload Favicon – The admin can upload the favicon of the website.
  - Google reCAPTCHA API key
  - Google App ID
  - Google App Secret
  - Google AdSense Key\*
  - Facebook App ID
  - Facebook App Secret
  - From Email\*
  - SMTP Host\*

- SMTP Port \*
- SMTP Email \*
- SMTP Password\*
- Footer Copyrights text
  - Should be text area which allows only bold, italics, Underline and link
- Facebook Icon Link
  - If link is blank icon should not display in front
- Twitter Icon Link
  - If link is blank icon should not display in front
- Google+ Icon Link
  - If link is blank icon should not display in front
- LinkedIn Icon Link
  - If link is blank icon should not display in front
- Instagram Icon Link
  - If link is blank icon should not display in front
- Paypal Payment ID\*
- Edit (Save/Cancel) – By clicking on Save, changes will be saved and by clicking on cancel option changes won't be saved

**Remarks:** - Fields marked as \* are mandatory fields for admin to edit/update site setting details

#### 7.4.1.2.3 Change Password

- Admin will be able to change his/her password by clicking on this option, admin needs to enter details as follows-
  - Enter Old Password\*
  - Enter New Password\*
  - Enter Confirm New Password\*

**Remarks:** - Fields marked as \* are mandatory fields for admin to 'Change password'

- There will be two buttons – 'Submit' and 'Cancel' for admin. By clicking on 'Submit' admin will be able to successfully change his/her password and by clicking on 'Cancel', the password won't be changed and admin will be redirected to 'Admin Home'

### 7.4.1.3 Content Management System

- This page will display the list of all static pages for which the content is added. Following details will be displayed –
  - Page Name – Name of the page
  - Status – Active or Inactive (If page is active, only then it will be available on the front end. If it is inactive, it will not be available. However, in future, it can again be made active)
  - Action – There will be two icons – Edit and Delete
  - Add New Page - There will also be a button of 'Add New Page' above the grid, which when clicked will take the user to 'Add New Page'. Following details are required to be filled in –

- Page Name\*
- Page Title\*
- Meta Keyword
- Meta Description
- Page Description\*
- Select status – Active or Inactive
- Add - Once the details are filled in, admin will be required to click on “Add” button to add the page. If he/she clicks on “Cancel” button, the page will not be added

**Remarks:** - Fields marked as \* are mandatory fields

- Edit Content - When “Edit” icon is clicked, it will take to ‘Edit Page’ page. Admin will have an option to edit following details for the page –
  - Page Name\*
  - Page Title\*
  - Meta Keyword
  - Meta Description
  - Page Description\*
  - Status

**Remarks:** - Fields marked as \* are mandatory fields

- Delete Page - When ‘Delete’ icon is clicked, it will delete that page from the list

#### 7.4.1.4 Manage Email Templates

- Admin will have facility to manage email templates from this section. The email templates are based on the some of the Events/Triggering actions performed by users, it contains details as follows-
  - Search by keyword – Admin will be able to search the results by entering search keywords
  - Email Template Type
  - Email Template Description
  - Operations –View, Edit
  - View – Admin will be able to view Email template details by clicking on “view” option, it contains details as follows-
    - Email Type – Type of Email
    - Description – Description of Email
    - Template – Fixed message format of Email template
  - Edit – Admin will be able to edit template details by clicking on ‘edit’ option, admin will be able to edit details as follows
    - Email Type\* – Change the Email Type
    - Description\* – Change the description
    - Template\* – Change the fixed message format of email template

**Remarks:** - Fields marked as \* are mandatory fields to edit Email template details

### 7.4.1.5 Management

#### 7.4.1.5.1 Interest

- Admin will be able to manage Interests from this section. It will have following details
  - Search by keyword – Admin will be able to get the search result by searching using keyword
  - Interests
  - Status (Activate/Deactivate)
  - Add Interests
    - Enter Interests\*
    - Select Status (Activate/Deactivate)
  - Edit Details
    - Enter Interests\*
    - Select Status (Activate/Deactivate)
    - Save/Cancel - By clicking on 'Save', changes will be saved and by clicking on 'Cancel', changes made are not saved
  - Delete - Admin will be able to delete any record. By clicking on delete option one alert message is shown to admin which has two options: ok and cancel. By clicking on 'ok' deletes the selected record and by clicking on 'Cancel' closes the alert message

### 7.4.1.6 Payment History

- Admin will be able to view payment made on the platform. It consists of following details
  - Search by keyword - Admin will be able to search the results by entering search keywords
  - User Name
  - Payment Amount
  - Payment Date
  - Transaction ID

## 8 NON-FUNCTIONAL REQUIREMENTS

### 8.1 General Non-Functional Requirements

- This section includes all the non-functional attributes for the proposed project as in terms of the Payment Gateway, 3<sup>rd</sup> party API Integration, Common features and security mechanism

#### 8.1.1 Payment Gateway

- Razorpay will be integrated

#### 8.1.2 List of Other 3<sup>rd</sup> Party API's

- This attribute includes list of all the 3<sup>rd</sup> party APIs to get the seamless support from the multiple platforms in a single solution-
  - Google AdSense for Advertisements
  - Facebook Login API
  - Google Login API
  - Instagram API

**Remark:** Feasibility of this API will be dependent upon the services and facilities provided by them

#### 8.1.3 Other Common Features

- This website will have common features such as-
  - CAPTCHA – In the registration form
  - Error Handling
  - SQL Injection Proof Coding Structure
  - Rich Text CKEditor
  - Database Indexing
  - Social Media Panel

## 8.2 Security

- Login Session Time-out
- Google reCAPTCHA
- Email Verification

## 8.3 Design

### 8.3.1 Custom Design

- Custom design to be provided by us for the proposed project

### 8.3.2 Logo

- Logo will be provided by client

## 8.4 Maintenance Support

- 3 months