



SOUTHERN
UNIVERSITY COLLEGE

南方大學學院

BTIS3023 Practical Project I

Stage 3: Requirements Prototype and System

Topic:

Cupid – A couple matching application

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System Catalogue

This Section will describe the role of each database field in this system.

1. User

No.	Field	Type	Extra
I.	user_id (primary key)	INT (10)	Auto_increment
II.	username	VARCHAR (64)	-
III.	password	VARCHAR (64)	-
IV.	email	VARCHAR (64)	-

2. User_criteria

No.	Field	Type	Extra
I.	user_id (primary key)	INT (10)	Auto_increment
II.	age	INT (3)	-
III.	gender	VARCHAR (64)	-
IV.	height	INT (3)	-
V.	weight	INT (3)	-
VI.	description	VARCHAR (255)	-
VII.	profession	VARCHAR (64)	-
VIII.	religion	VARCHAR (64)	-
IX.	income	INT (10)	-
X.	others	VARCHAR (255)	-

3. Match_criteria

No.	Field	Type	Extra
I.	user_id (primary key)	INT (10)	Auto_increment
II.	age	VARCHAR (10)	-
III.	gender	VARCHAR (64)	-
IV.	height	VARCHAR (10)	-
V.	weight	VARCHAR (10)	-
VI.	profession	VARCHAR (64)	-
VII.	religion	VARCHAR (64)	-
VIII.	income	VARCHAR (10)	-
IX.	others	VARCHAR (255)	-

4. Friend_request

No.	Field	Type	Extra
I.	id (primary key)	INT (10)	Auto_increment
II.	requester_id	INT (10)	-
III.	requester	VARCHAR (64)	-
IV.	user_id	INT (10)	-
V.	username	VARCHAR (64)	-
VI.	status	INT (1)	-

5. User_chat

No.	Field	Type	Extra
I.	id (primary key)	INT (10)	Auto_increment
II.	user_id	INT (10)	-
III.	username	VARCHAR (64)	-
IV.	receiver_id	INT (10)	-
V.	receiver_name	VARCHAR (64)	-
VI.	message_path	VARCHAR (64)	-

6. User_location

No.	Field	Type	Extra
I.	user_id (primary key)	INT (10)	-
II.	latitude	NUMBER	-
III.	longtitude	NUMBER	-

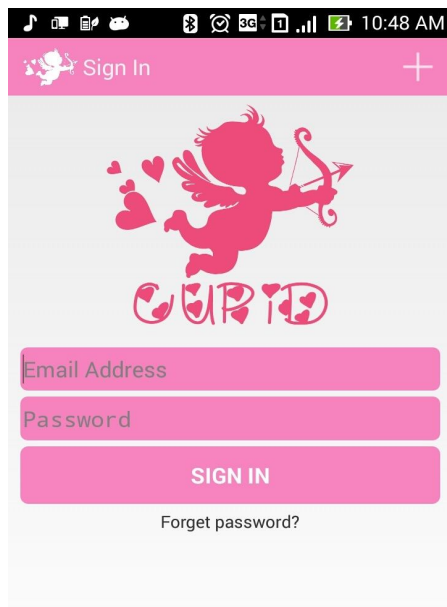
User guide

Figure 1: Splash Screen



Splash screen for this application. User need to wait for a while for background process.

Figure 2: Sign In Screen

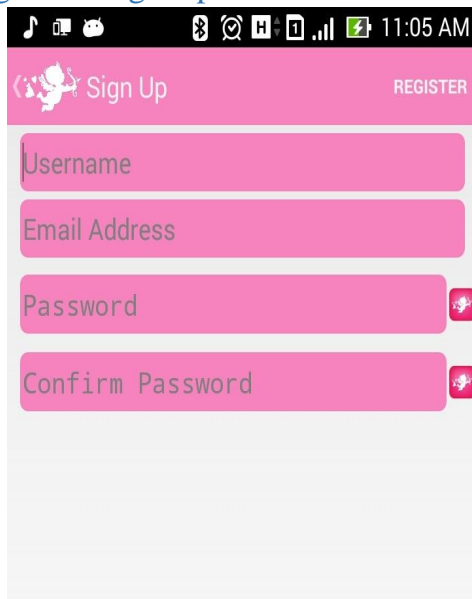


Alert
Please enter your username
OK

Alert
Please enter your password
OK

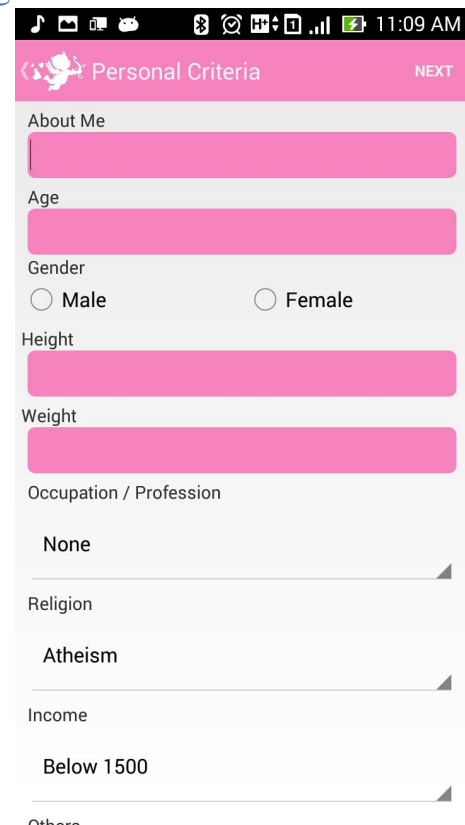
This is sign in screen for Cupid application. Without enter email address and password, system will asking user to input them. If sign in successfully system will directly bring user to the main screen.

Figure 3: Sign Up Screen

A mobile application screen titled "Sign Up" with a pink header bar. The header bar contains a back arrow, a user icon, the text "Sign Up", and a "REGISTER" button. Below the header, there are four pink input fields stacked vertically, labeled "Username", "Email Address", "Password", and "Confirm Password". To the right of the "Password" and "Confirm Password" fields, there are small red icons of a person with a plus sign. The status bar at the top shows various icons and the time "11:05 AM".

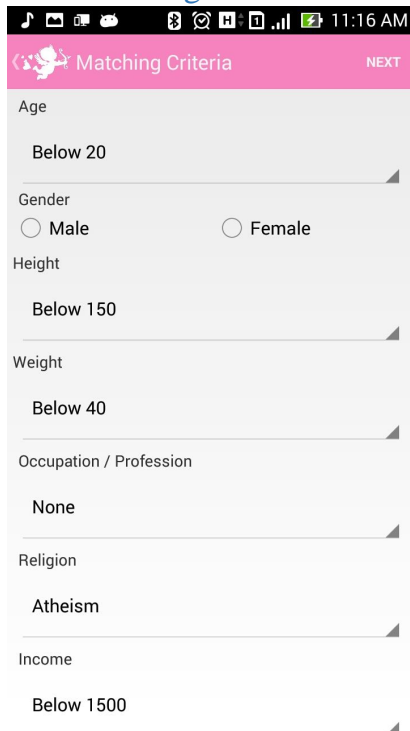
This is user register screen, user need to enter their username, email address, password and confirm password. Clicks the “REGISTER” to register. After register system will bring user to the personal criteria screen

Figure 4: Personal Criteria Screen

A mobile application screen titled "Personal Criteria" with a pink header bar. The header bar contains a back arrow, a user icon, the text "Personal Criteria", and a "NEXT" button. Below the header, there are several sections with input fields: "About Me" (a pink input field), "Age" (a pink input field), "Gender" (two radio buttons labeled "Male" and "Female"), "Height" (a pink input field), "Weight" (a pink input field), "Occupation / Profession" (a dropdown menu with "None" selected), "Religion" (a dropdown menu with "Atheism" selected), "Income" (a dropdown menu with "Below 1500" selected), and "Others" (a partially visible dropdown menu). The status bar at the top shows various icons and the time "11:09 AM".

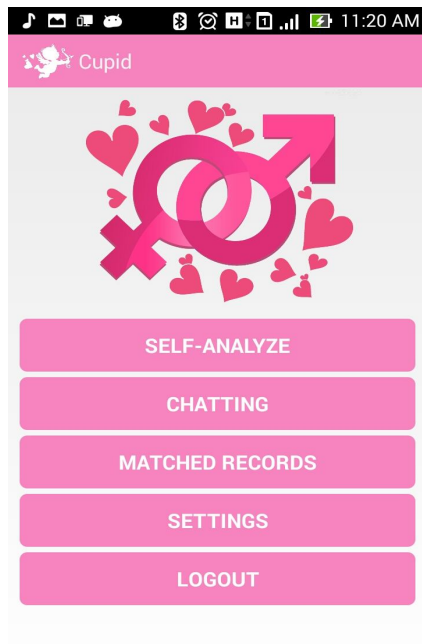
This is personal criteria screen, user need can enter their description in “About Me”. Others basic information user also need to input in order to go to next step. After entered all the required information, press “NEXT” will bring user to the matching criteria screen.

Figure 5: Matching Criteria Screen



This is matching criteria screen, all the basic information user need to select and enter. After entered all the information system will bring user to the main screen. All the data information enter here are used for matching purpose.

Figure 6: Main Screen



This is main screen, contain Matching image button, “SELF-ANALYZE” button, “CHATTING” button “MATCHED RECORDS” button, “SETTINGS” button and “LOGOUT” button. By pressing Matching image button will perform matching based on matching criteria user entered before. By pressing “SELF-ANALYZE” button will perform user self-analysis based on their personal criteria entered before. By pressing “CHATTING” button will bring user to the chat room. By pressing “MATCHED RECORDS” button will allow user to view matching records or history. By pressing “SETTINGS” button system allow user to configure some settings. By pressing “LOGOUT” button system will logging out user and bring user to the sign in screen.