MUZMATCH

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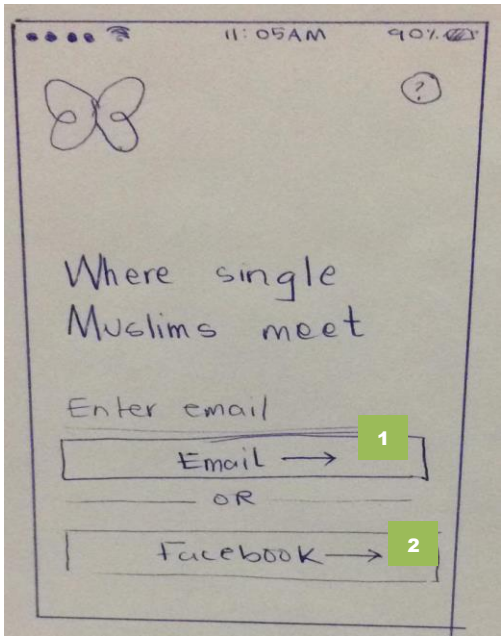
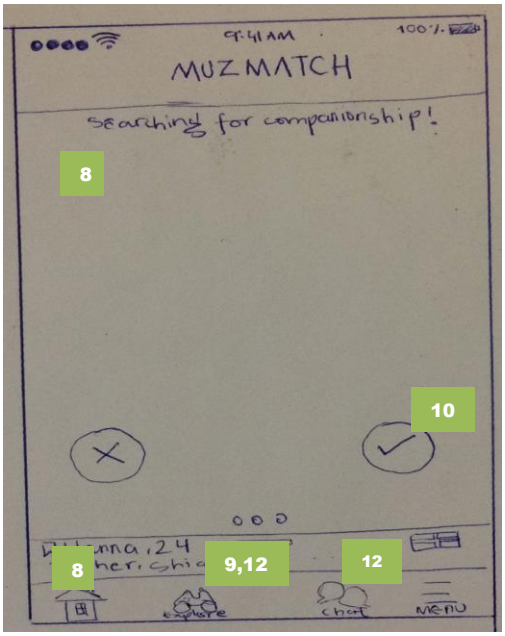
OVERVIEW

In this project we're trying to replicate some features of the popular mobile app 'Muzmatch', and designing APIs for it in NodeJS. It's an online dating app exclusively for Muslims to find them a partner according to their religious and cultural preferences. Mainly the focus would be on setting up your own profile and viewing and liking another person's profile. Besides that, it'd have a few settings for the user, along with viewing who has liked you and who have you liked.

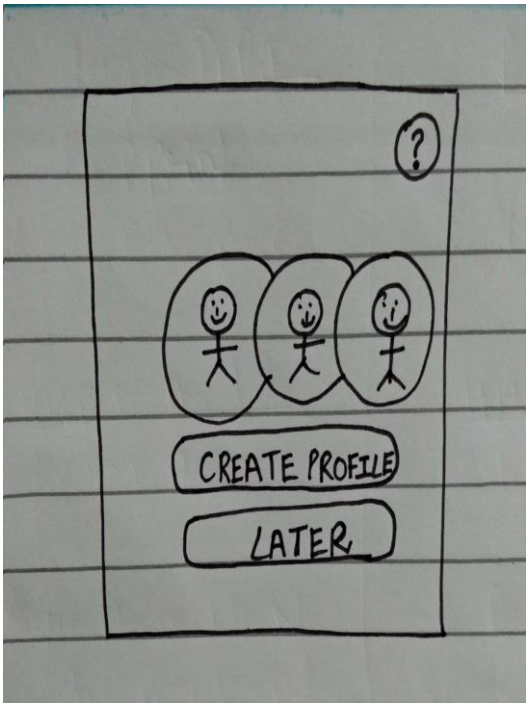
WIREFRAME WITH API LABELS



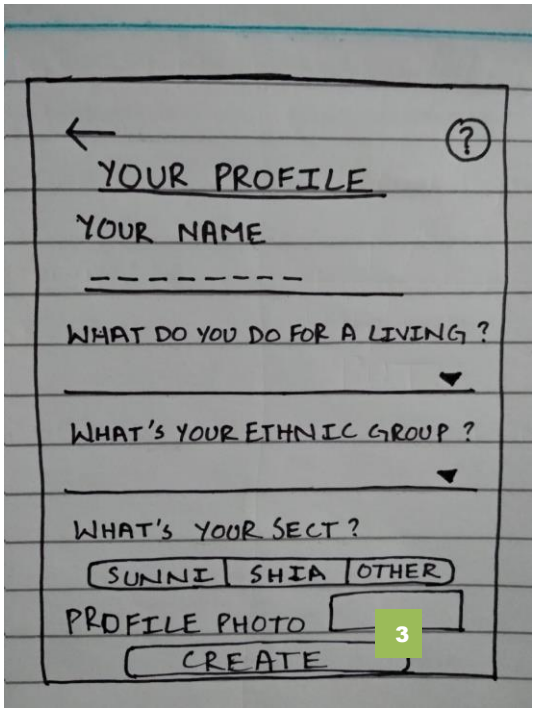
Login Screen



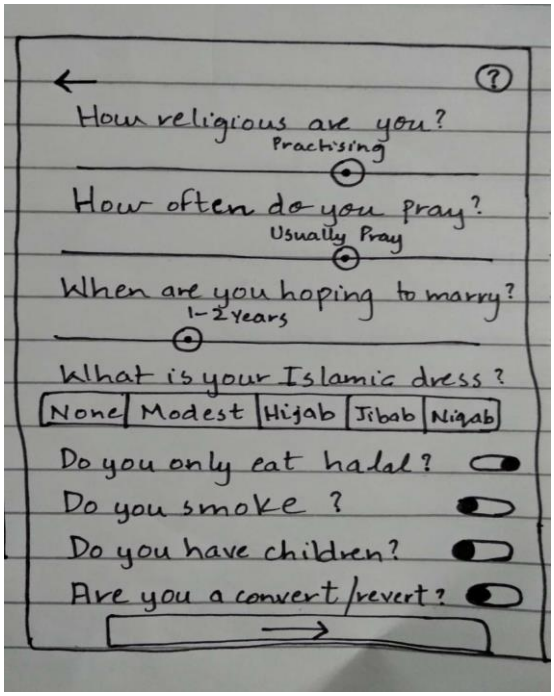
News Feed



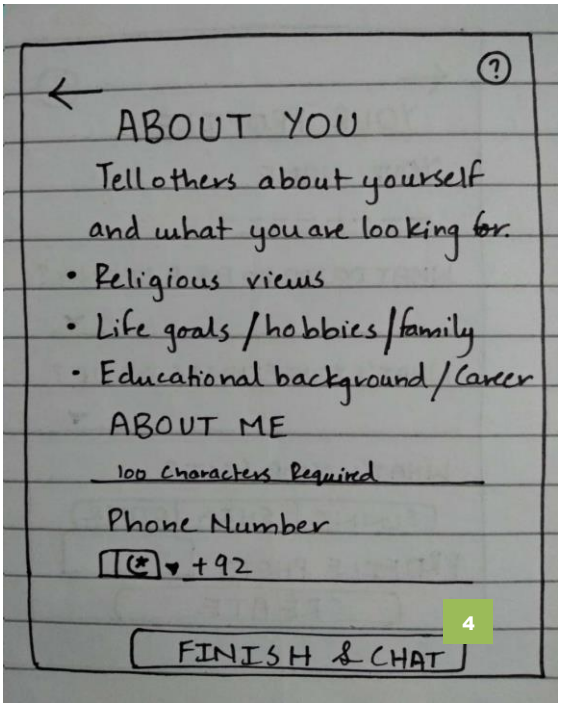
Create Profile



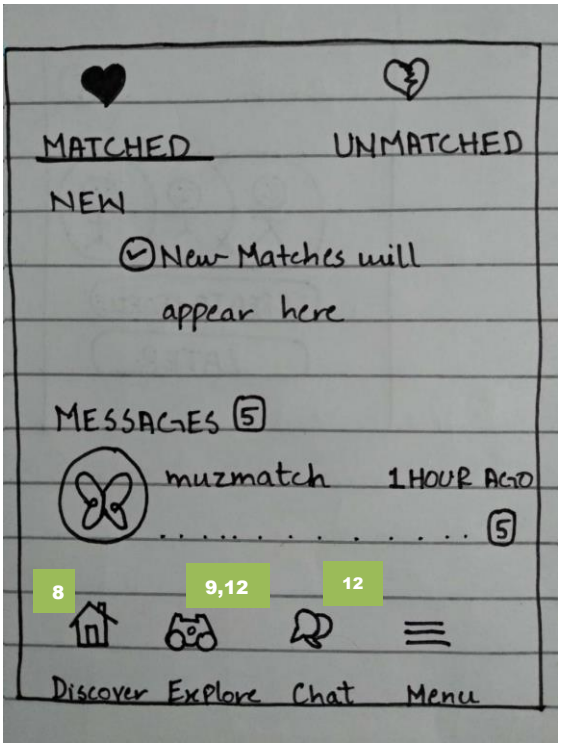
Create Profile Form



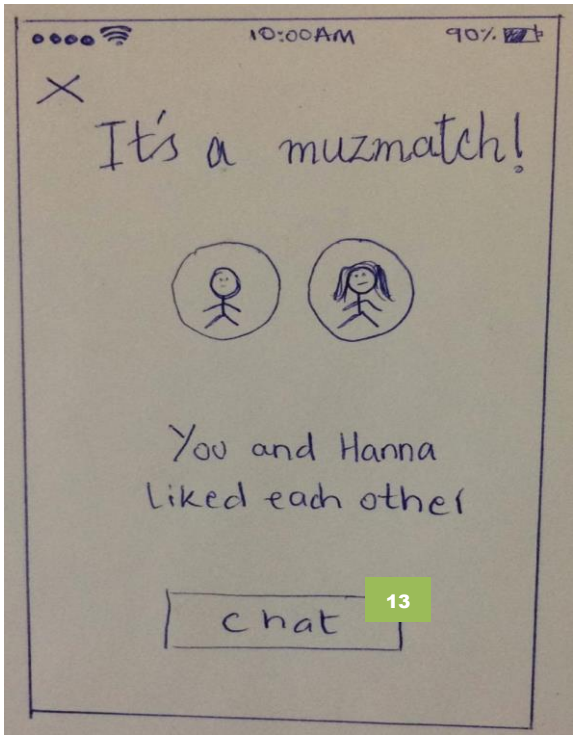
Profile Details Form



Create/Update Profile Form



Explore Screen



Match/Chat Screen

LIST OF APIs

1. LoginViaEmail
2. LoginViaFacebook
3. CreateProfile
4. UpdateProfile
5. DeleteProfile
6. RetrieveProfile
7. UpdatePicture
8. RetrieveNewsFeed
9. RetrieveMatchedUnMatched
10. LikeDisLikeProfile
11. SendMessage
12. RetrieveMessagesList
13. RetrieveMessage
14. AddToFavorite
15. RemoveFromFavorite
16. RetrieveFavorites
17. BlockUser
18. UnblockUser
19. RetrieveBlockedList
20. RetrieveLikedYou

NOTE: Some of the use cases have been shown in the wireframe above while some use cases have not been mentioned. However, the list of APIs has been finalized and the above-mentioned ones will be used to form the application.

API FRAMEWORK

Node.js will be used for the development of the apis for this project.

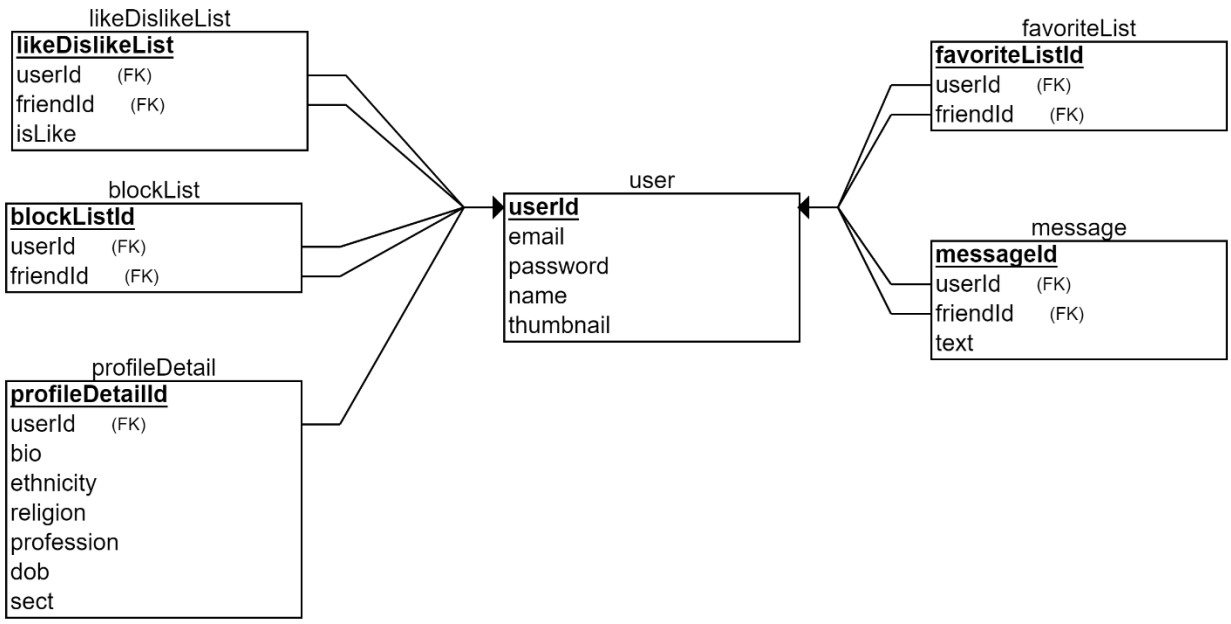
JSON STRUCTURES

ID	API	Status	Request	Response
1	**LoginViaEmail**	POST	email,verificationCode	{ success: true, code: 202, message: user logged in successfully, user: { userid: __ , email: ___ , phone: ___ , token: ____ .....}} { success: false, code: 203, message: user id incorrect}
2	**LoginViaFacebook**	POST	socialId, verificationCode	{ success: true, code: 202, message: user logged in successfully, user: { userid: __ , socialid: ___ , phone: ___ , token: ____ .....}} { success: false, code: 203, message: social id error}
3	**CreateProfile**	POST	userid, fullname, thumbnail etc	{ success: true, code: 202, message: profile created successfully, user: { userid: __ , email: ___ , phone: ___ , token: ____ .....}} { success: false, code: 203, message: thumbnail missing}
4	**UpdateProfile**	PATCH	Userid, fullname, bio, thumbnail etc	{ success: true, code: 202, message: profile updated successfully, user: { userid: __ , email: ___ , phone: ___ , token: ____ .....}} { success: false, code: 203, message: thumbnail missing}
5	**DeleteProfile**	DELETE	userid	{ success: true, code: 202, message: profile deleted successfully} { success: false, code: 203, message: user does not exist}
6	**RetrieveProfile**	GET	userid	{ success: true, code: 202, message: profile retrieved successfully, user: { userid: __ , email: ___ , phone: ___ , token: ____ .....}} { success: false, code: 203, message: user does not exist}
7	**UpdatePicture**	PUT	userid, thumbnail	{ success: true, code: 202, message: profile picture updated successfully} { success: false, code: 203, message: file format wrong}

8	**RetrieveNewsfeed**	GET	userid	{ success: true, code: 202, message: newsfeed retrieved successfully, users: { { {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}}} { success: false, code: 203, message: user does not exist}
9	**RetrieveMatchedUnmatched**	GET	Userid,isMatch	{ success: true, code: 202, message: matched retrieved successfully, users: { { {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}}} { success: false, code: 203, message: user does not exist}
10	**LikeDislikeProfile**	POST	userid, friendId, isLike	{ success: true, code: 202, message: disliked successfully} { success: false, code: 203, message: user does not exist}
11	**SendMessage**	POST	userid, friendid, text	{ success: true, code: 202, message: message sent successfully} { success: false, code: 203, message: friendid does not exist}
12	**RetrieveMessageList**	GET	userid	{ success: true, code: 202, message: messages list retrieved successfully, friends: { {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}}} { success: false, code: 203, message: user does not exist}
13	**RetrieveMessage**	GET	Userid, friendId	{ success: true, code: 202, message: messages retrieved successfully, messages: { {messageid: __ , text .....},{messageid: __ , text .....}, {messageid: __ , text .....}}} { success: false, code: 203, message: friend doesnt exist}
14	**AddToFavorite**	POST	Userid, friendid	{ success: true, code: 202, message: favorited successfully} { success: false, code: 203, message: friendid does not exist}

15	**RemoveFromFavorite**	DELETE	Userid, friendid	{ success: true, code: 202, message: removed from favorites successfully} { success: false, code: 203, message: friendid does not exist}
16	**RetrieveFavorites**	GET	userid	{ success: true, code: 202, message: favorites list retrieved successfully, favorites: { {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}}} { success: false, code: 203, message: user does not exist}
17	**BlockUser**	POST	Userid,friendid	{ success: true, code: 202, message: user blocked successfully} { success: false, code: 203, message: friendid does not exist}
18	**UnblockUser**	POST	Userid,friendid	{ success: true, code: 202, message: user unblocked successfully} { success: false, code: 203, message: friendid does not exist}
19	**RetrieveBlockedList**	GET	userid	{ success: true, code: 202, message: blocked list retrieved successfully, users: { {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}}} { success: false, code: 203, message: user does not exist}
20	**RetrieveLikedByYou**	GET	userid	{ success: true, code: 202, message: liked list retrieved successfully, friends: { {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}, {userid: __ , thumbnail: __ , ...}}} { success: false, code: 203, message: user does not exist}

DATABASE DESIGN



NOTE: This is a tentative database design and may change later on with additional feature and development. This is for conceptual purpose only so not all of the attributes have been mentioned here.