Speedy Net / Speedy Match architecture

Version Control

Version	Date	Change	Author
0.1	09/05/16	Initial version	dima@initech.co.il
0.2	15/05/16		dima@initech.co.il
0.3	18/05/16		dima@initech.co.il

Project structure

Custom apps

speedy-net - user management, system-wide user profile, friendship
speedy-message - user-to-user messages
speedy-match - app-specific user profile, user matching preferences, user-to-user match, like

Third-party apps

django-notifications-hq - live notifications infrastructure
django-auth - user management infrastructure

The speedy-net app

User management URLs

URL	Parameters	Details
register		Register a new user, send activation email
verify-account		Confirm primary email address and activate user
login		User login
logout		User logout
forgot-password		Verify identity, send change password email
change-password		Change user password
deactivate		Deactivate user from SpeedyNet
activate		Activate previously deactivated user
verify-email		Verify additional email added by user

System-wide user profile URLs

URL	Parameters	Details
<username>		View other user's profile. Subject to restrictions described in chapter 5.5 of functional requirements (https://docs.google.com/document/d/1yFdbqxggjRsBu2ePUMKO5WL3H4SnvhGu978v2pelj5Y/edit#heading=h.87e2mt8725p3)
me		Redirect to profile of currently logged in user
edit-profile		Edit profile of currently logged in user

Friendship URLs

Remark: mounted on "/friends", AJAX

URL	Parameters	Details
send-request	username	Send friend request to another user designated by <username>
accept-request	username	Accept friend request sent by user designated by <username>
reject-request	username	Reject friend request sent by user designated by <username>
friends		List friends of currently logged in user

Notifications

Notifications are available when friend request is sent to the currently logged in user or a friendship request sent by the current user is accepted by a recipient.

Models

Name	Relationships	Details
User	OneToOne -> django-auth User ManyToMany relationship to User for friendship ManyToMany relationship to User for conversations	System-wide user profile
Settings	OneToOne -> User	Privacy settings, messaging and notification preferences

Friendship	OneToOne -> User OneToOne -> User	Intermediate table for friendship relations

The speedy-match app

Remark: this app has to be declared before speedy-net in order to intercept user profile URLs.

App-specific user profile URLs

App-specific user profile URLs override the same URLs as described in "System-wide user profile URLs" section above. The views mounted on these URLs add app-specific information used in speedy-match templates.

Match URLs

URL	Parameters	Details
preferences		Edit preferences of currently logged in user
matches		List matching users. Subject to filtering as described in chapter 5.6.3 of functional requirements (https://docs.google.com/document/d/1yFdbqxggjRsBu2ePUMKO5WL3H4SnvhGu978v2pelj5Y/edit#heading=h.pvgawbk2rd4c)
like	username	Like user designated by <username> AJAX call
block	username	Block user designated by

| | | <username>
AJAX call |
|---|---|---|

Notifications

Notifications are available when another user likes current user.

Models

Name	Relationships	Details
SpeedyMatchUser	OneToOne -> User
ManyToMany relationship to
SpeedyMatchUser	App-specific user profile
Likes
SpeedyMatchPref erences	OneToOne ->
SpeedyMatchUser	Matching preferences

The speedy-message app

URLs

URL	Parameters	Details
inbox		List messages
Show message status
(read/not read), message
context (SpeedyNet,
SpeedyMatch, …)
Each app provides its own
views that can filter
messages based on context
compose	username	Compose new message to

		user designated by <username>
send	message	Send message designated by <message>

Notifications

Notifications are available when new message is sent to the currently logged in user.

Models

Name	Relationships	Details
Conversation	OneToOne -> User OneToOne -> User	Intermediate table for user-to-user messages
Message	OneToOne -> Conversation	Message within a conversation