

1. Assumptions:

- When a new user signs up, he has to provide name, email, state, city and zip. These fields are mandatory. The other fields like family, photo etc. can be updated later through an *Edit Profile* option.
- For simplicity, hoods have a unique name and there is no address related to a hood. Hence, irrespective of the user's address, he can select any one of the listed hoods and then a block within that hood.
- At any given point of time, a user can be a member of only 1 block.
- User can become friends or neighbors with anyone in his hood.
- If user moves out of a hood, he will lose all his friends and neighbors and will not be able to view any of the old messages.
- Messages are placed in the order of recent ones first.

2. Schema:


ser	UserPreference	Hood	HoodMap	Block	BlockMembe	BlockApproval	FriendReques	Relation	Topic	Message
<u>serId</u>	<i>userId</i>	<u>hoodId</u>	<i>hoodId</i>	<u>blockId</u>	<i>blockId</i>	<i>fromUserId</i>	<i>fromUserId</i>	<i>firstUserId</i>	<u>topicId</u>	<u>messageId</u>
serName	prefName	hoodName	lat	<i>hoodId</i>	<i>userId</i>	<i>toUserId</i>	<i>toUserId</i>	<i>secondUserID</i>	subject	<i>topicId</i>
mail	prefValue		long	blockNam	count			isFriend	message	message
ate								isNeighbor	<i>authorUserId</i>	<i>authorUserI</i>
ity									location	created
p									created	
out									modified	
amily									tagType	
hoto									recipient	
istLogin									<i>parentHoodId</i>	

Primary keys are indicated in bold and underline.

Foreign keys are indicated in orange and italics.

3. Schema structure and explanation:

- User: This table holds the information of all users who have signed up on the system. The *email* field is unique. The *lastLogin* is the timestamp when the user last logged in. This will be used to determine which are the new/unread messages to be shown to the user.




Name:

User

Column	Datatype		PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
userId	INT(11)	↕	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
userName	VARCHAR(45)	↕	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
email	VARCHAR(45)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
state	VARCHAR(45)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
city	VARCHAR(45)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
zip	INT(11)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
about	VARCHAR(100)	↕	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
family	VARCHAR(100)	↕	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
photo	VARCHAR(100)	↕	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
lastLogin	DATETIME	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CURRENT_TIMESTAMP

- Hood: This table hold the information of all hoods. For simplicity, we are pre defining a set of hoods that have unique names. These hoods do not have any address fields such as state, city or zip associated with them. Hence a user can select any hood irrespective of his address.



Name:

Hood

Column	Datatype		PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
hoodId	INT(11)	↕	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
hoodName	VARCHAR(45)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- Block: This table holds the information of all blocks. Each block belongs to one of the hoods defined above. Again, these are pre defined blocks.



Name: Block

Column	Datatype		PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
blockId	INT(11)	↕	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
hoodId	INT(11)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
blockName	VARCHAR(45)	↕	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- BlockMember: This table holds the information of both- the approved members of a block and those users who are waiting for approval.

Whenever a user requests to join a block, he will be added into this table with a *count* value. The *count* value indicates if the user is approved or awaiting approval.

If *count* is 0: this implies that the user is waiting for 0 approvals, hence he is an approved member.

If *count* is 1: the user is waiting for 1 other approval, hence he is still not an approved member.

If *count* is 2: the user is waiting for 2 other approvals, again he is still not an approved member.

If *count* is 3: the user is waiting for 3 other approvals.

The *count* value is initially set depending on the number of existing approved members in that block.

If there are 0 existing approved members, then the new user is the very first member of the block, hence the *count* will be set to 0 for him.

If there is 1 existing approved member, then the new user needs only 1 approval, hence the *count* will be set to 1.

If there are 2 existing approved members, then the new user needs only 2 approvals, hence the *count* will be set to 2.

If there are 3 or more existing approved members, then the new user needs any 3 approvals, hence the *count* will be set to 3.

Each time an existing member approves a new user, the *count* for the new user will be decremented by 1.

[illegible]



- BlockApproval: This table is used to temporarily track who has approved whom. This is required because, say for example: User B requests to join a block and requires 3 approvals. User A who is an existing member receives the request and he approves it. Now user B needs 2 more approvals. User A has already approved, so he should not receive the request again. Hence this table will help track this scenario. Once User B receives all 3 approvals, then all his entries will be deleted from this table.

[illegible]

- Relation: This table holds the relationship information between different users. The *isFriend* and *isNeighbor* fields indicate the relation. The value 1 indicates true and the value 0 indicates false. When User A adds User B as neighbor, then an insert/update is made on this table. In the case where User A wants to add User B as a friend, then a friend request is sent and the *FriendRequest* table is used to track the relation as explained below.

[illegible]

- FriendRequest: This table is used to temporarily track the friendship status between 2 users. When User A sends a friend request to User B, an entry will be made in this table. If User B accepts the request or sends a friend request to User A, then we use this table to determine that both want to be friends with each other, hence insert/update the *Relation* table. We then delete the entry from this table.



Name:

FriendRequest

Column	Datatype		PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
fromUserId	INT(11)	⬆	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
toUserId	INT(11)	⬆	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- Topic: This table holds the information about the initial message that was created by a user. A user can make the message accessible to the entire hood or to the entire block or to all his friends or to all his neighbors or to certain selected individuals. The *tagType* indicates the category. The possible values are HOOD, BLOCK, FRIENDS, NEIGHBORS, PERSONAL.

When the *tagType* is HOOD, the recipient column will store the user's *hoodId*.

When the *tagType* is BLOCK, the recipient column will hold the user's *blockId*.

When the *tagType* is FRIENDS, the recipient column will hold comma delimited *userId* of all users who are friends.

When the *tagType* is NEIGHBORS, the recipient column will hold comma delimited *userId* of all users who are neighbors.

When the *tagType* is PERSONAL, the recipient column will hold comma delimited *userId* of selected members that the user selected.

The *created* column stores the timestamp when the topic was created and the *modified* column stores the timestamp when the most recent reply to the topic was posted.


The *parentHoodId* column stores the user's *hoodId* and it indicates the maximum scope of the topic. This topic cannot be accessed beyond this hood. This is required because, say the user moves into a different hood. Then while retrieving topics for the user, a check is made to see if his current *hoodId* matches the *parentHoodId*. If it does not, then we do not show those topics and its child messages.

[illegible]

- Message: This table holds the information of all messages that were replied to a topic.

[illegible]

- HoodMap: This table holds the latitude and longitude information of all the hoods. This information shall later be used to draw polygons on maps which specify the neighborhoods (which shall be predefined)

 Table Name:

Collation: latin1 - default collation

Comments:

Column Name	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	Default
hoodId	INT(11)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
lat	DECIMAL(13,10)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
lng	DECIMAL(13,10)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

- UserPreference: This table holds the details of all the users who have subscribed for email alerts.

[illegible]

4. Table data and user flow:

Block

	blockId	hoodId	blockName	lat	lng
▶	40	5	330 W Broadway	40.7221810000	-74.0039780000
	42	5	96 Greene St	40.7240680000	-73.9998000000
	43	5	157 Prince St	40.7259700000	-74.0012590000
	44	5	558 Broadway	40.7236610000	-73.9974820000
	45	7	183 Centre St	40.7183430000	-73.9997090000
	46	7	126 Baxter St	40.7181080000	-73.9989800000
	47	7	152A Mott St	40.7190830000	-73.9964690000
	48	7	140 Bowery	40.7192330000	-73.9949730000
	49	7	389 Broome St	40.7203770000	-73.9970630000
	50	7	179 Grand St	40.7194210000	-73.9979280000
	51	8	70 Lafayette St	40.7171390000	-74.0021270000
	52	8	65 Bayard St	40.7152190000	-73.9982010000
	53	8	46 Eldridge St	40.7158050000	-73.9927930000
	54	5	330 W Broadway	40.7221810000	-74.0039780000
	56	5	96 Greene St	40.7240680000	-73.9998000000
	57	5	157 Prince St	40.7259700000	-74.0012590000
	58	5	558 Broadway	40.7236610000	-73.9974820000
	59	7	183 Centre St	40.7183430000	-73.9997090000
	60	7	126 Baxter St	40.7181080000	-73.9989800000
	84	6	48 W 12th St	40.7282660000	-74.0030270000
	85	4	90 Beekman St	40.7130520000	-74.0042700000
	89	4	66 Frankfort St	40.7130520000	-74.0042700000
	90	6	6 Grove Ct	40.7282660000	-74.0030270000
	91	4	10 Hanover Squ...	40.7130520000	-74.0042700000

Hood


	hoodId	hoodName
▶	8	Chinatown
	4	Financial District
	6	Greenwich Village
	7	Little Italy
	5	Soho
★	NULL	NULL

User

	userId	userName	email	state	city	zip	about	family	photo	lastLogin
▶	21	Adam Gabriel	adamgabriel@gmail.com	NY	Manhattan	10004	Working at Chase bank	Unmarried		2015-12-17 04:24:21
	22	Julie S Wee	julieswee@gmail.com	NY	Manhattan	10004	Student at CUNY	Staying with mom		2015-12-17 04:24:21
	23	Lori Greene	lorigreene@gmail.com	NY	Manhattan	10004	Studying at Stern Business school	3 roommates		2015-12-17 04:24:21
	24	Renata Jacobs	renetajacobs@gmail.com	NY	Manhattan	10004	Teacher at St. Agnes			2015-12-17 04:24:21
	25	Ophir Marom	ophirmarom@gmail.com	NY	Manhattan	10004				2015-12-17 04:24:22
	26	Dedrick Bullard	dedrickbullard@gmail.com	NY	Manhattan	10004		Family of 4.		2015-12-17 04:24:22
	27	Carla Davis	carladavis@gmail.com	NY	Manhattan	10004		Eldery couple		2015-12-17 04:24:22
	28	Tristan A Daley	tristanadaley@gmail.com	NY	Manhattan	10004	Business analyst			2015-12-17 04:24:22
	29	Kun Jiang	kunjiang@gmail.com	NY	Manhattan	10004	Soccer coach, train kids under 12.			2015-12-17 04:24:22
	30	Neha Sharma	nehasharma@gmail.com	NY	Manhattan	10004	International student at Stony Brooke			2015-12-17 04:24:23
	31	Waqid Munawar	waqid7@gmail.com	NY	Manhattan	10004	Student at NYU Engineering	Live with uncle		2015-12-17 04:24:23
	32	Ugur Iniac	uguriniac@gmail.com	NY	Manhattan	10004				2015-12-17 04:24:23
	33	Mohammed Ai...	ali.aizu94@gmail.com	NY	Manhattan	10004	Student			2015-12-17 04:24:23
	70	newuser123	waqidvolli@gmail.com			0	newuser	newuser	NULL	2015-12-18 21:47:41
	72	seconduser	seconduser@gmail.com			0	su	su	NULL	2015-12-18 21:49:22
	74	thirduser	wmv214@nyu.edu			0	third	third	NULL	2015-12-18 22:16:44

Step1: User Signup

When the user clicks on Save and Continue on the second page then the user gets registered and all his details are stored in the User table of the database. For example, consider username: Mark, email: maa832@nyu.edu, about: Student at NYU, family: wife and 2 children



Enter your Email Address

MyHood is the private social network for your neighborhood

Neighbors create private groups for their neighborhoods where they can ask questions, get to know one another, and exchange local advice and recommendations.

Don't have an account yet? Register here

Username

Email Address

About

Student at NYU

Family

Wife and 2 children

Choose File No file chosen

Save and Continue

Skip

	userId	userName	email	state	city	zip	about	family	photo	lastLogin
▶	21	Adam Gabriel	adamgabriel@gmail.com	NY	Manhattan	10004	Working at Chase bank	Unmarried		2015-12-17 04:24:21
	22	Julie S Wee	julieswee@gmail.com	NY	Manhattan	10004	Student at CUNY	Staying with mom		2015-12-17 04:24:21
	23	Lori Greene	lorigreene@gmail.com	NY	Manhattan	10004	Studying at Stern Business school	3 roommates		2015-12-17 04:24:21
	24	Renata Jacobs	renetajacobs@gmail.com	NY	Manhattan	10004	Teacher at St. Agnes			2015-12-17 04:24:21
	25	Ophir Marom	ophirmarom@gmail.com	NY	Manhattan	10004				2015-12-17 04:24:22
	26	Dedrick Bullard	dedrickbullard@gmail.com	NY	Manhattan	10004		Family of 4.		2015-12-17 04:24:22
	27	Carla Davis	carladavis@gmail.com	NY	Manhattan	10004		Eldery couple		2015-12-17 04:24:22
	28	Tristan A Daley	tristanadaley@gmail.com	NY	Manhattan	10004	Business analyst			2015-12-17 04:24:22
	29	Kun Jiang	kunjiang@gmail.com	NY	Manhattan	10004	Soccer coach, train kids under 12.			2015-12-17 04:24:22
	30	Neha Sharma	nehasharma@gmail.com	NY	Manhattan	10004	International student at Stony Brooke			2015-12-17 04:24:23
	31	Waqid Munawar	waqid7@gmail.com	NY	Manhattan	10004	Student at NYU Engineering	Live with uncle		2015-12-17 04:24:23
	32	Ugur Iniac	uguriniac@gmail.com	NY	Manhattan	10004				2015-12-17 04:24:23
	33	Mohammed Ai...	ali.aizu94@gmail.com	NY	Manhattan	10004	Student			2015-12-17 04:24:23
	70	newuser123	waqidvolli@gmail.com			0	newuser	newuser	NULL	2015-12-18 21:47:41
	72	seconduser	seconduser@gmail.com			0	su	su	NULL	2015-12-18 21:49:22
	74	thirduser	wmv214@nyu.edu			0	third	third	NULL	2015-12-18 22:16:44
	76	Mark	maa832@nyu.edu			0	Student at NYU	Wife and 2 children	NULL	2015-12-24 05:45:43
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Step2: Join Block

We have a predefined set of hoods and a user can choose the hood in which he wants to join. Once a user selects a hood on the map he can join any one block belonging to that hood. For example, Mark lives at 558 Broadway New York, NY. Corresponding blockId is 58 and hoodId is 5. An entry is made into the BlockMember table with count as 3, indicating the numberof approvals it needsto become a member of that block.

Step 2: Join a Neighborhood !



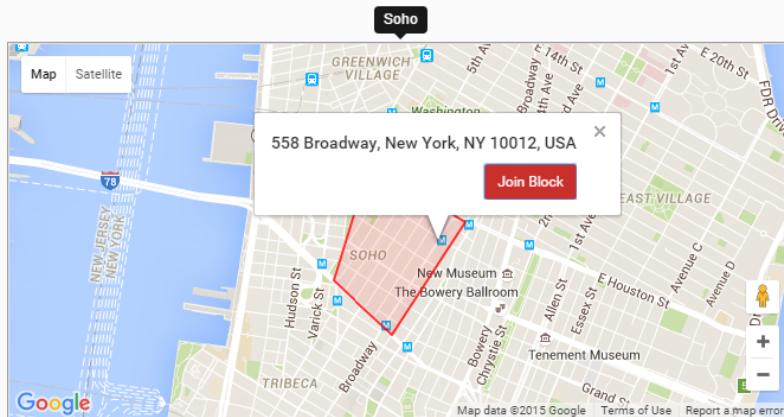
Recently joined blocks

- 100 Gold St Financial District
- 71 W 12th St Greenwich Village
- 68 Jane St Greenwich Village
- 330 W Broadway Soho
- 157 Prince St Soho
- 96 Greene St Soho
- 558 Broadway Soho
- 96 Greene St Soho

Reset

✓ Sent request to join block !

Step 2: Join a Neighborhood !



Recently joined blocks

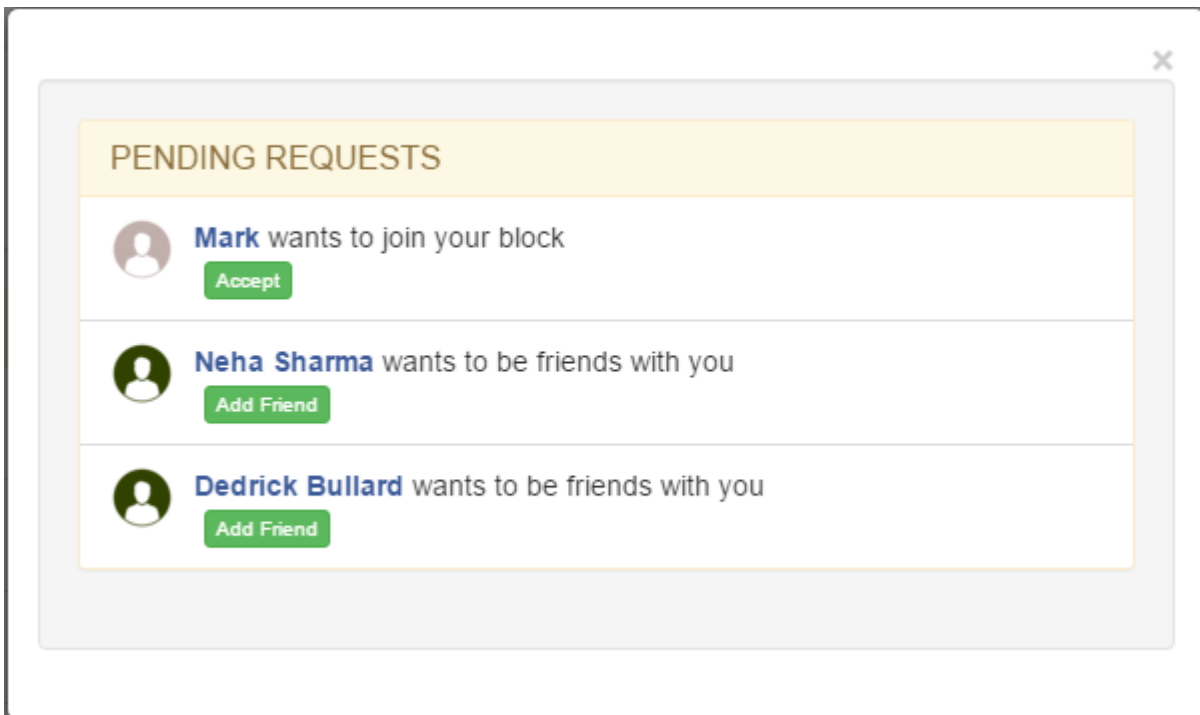
- 70 Lafayette St Chinatown
- 100 Gold St Financial District
- 71 W 12th St Greenwich Village
- 68 Jane St Greenwich Village
- 330 W Broadway Soho
- 558 Broadway Soho
- 96 Greene St Soho
- 96 Greene St Soho
- 157 Prince St Soho

Reset

	blockId	userId	count	timestamp
	40	21	0	2015-12-17 04:31:36
	42	23	1	2015-12-17 04:31:36
	56	24	0	2015-12-17 04:31:36
	57	25	1	2015-12-17 04:31:36
	58	22	1	2015-12-17 04:31:36
	58	27	2	2015-12-17 04:31:36
	58	28	0	2015-12-17 04:31:36
	58	29	2	2015-12-17 04:31:36
	58	30	0	2015-12-17 04:31:36
	58	31	0	2015-12-18 19:54:39
	58	32	2	2015-12-17 04:31:36
	58	33	1	2015-12-17 04:31:36
▶	58	76	3	2015-12-24 06:19:11
	97	26	0	2015-12-18 19:18:08
	106	70	0	2015-12-18 21:48:02
	106	74	0	2015-12-18 22:17:49
	108	72	0	2015-12-18 21:56:41

Step3: Notifications

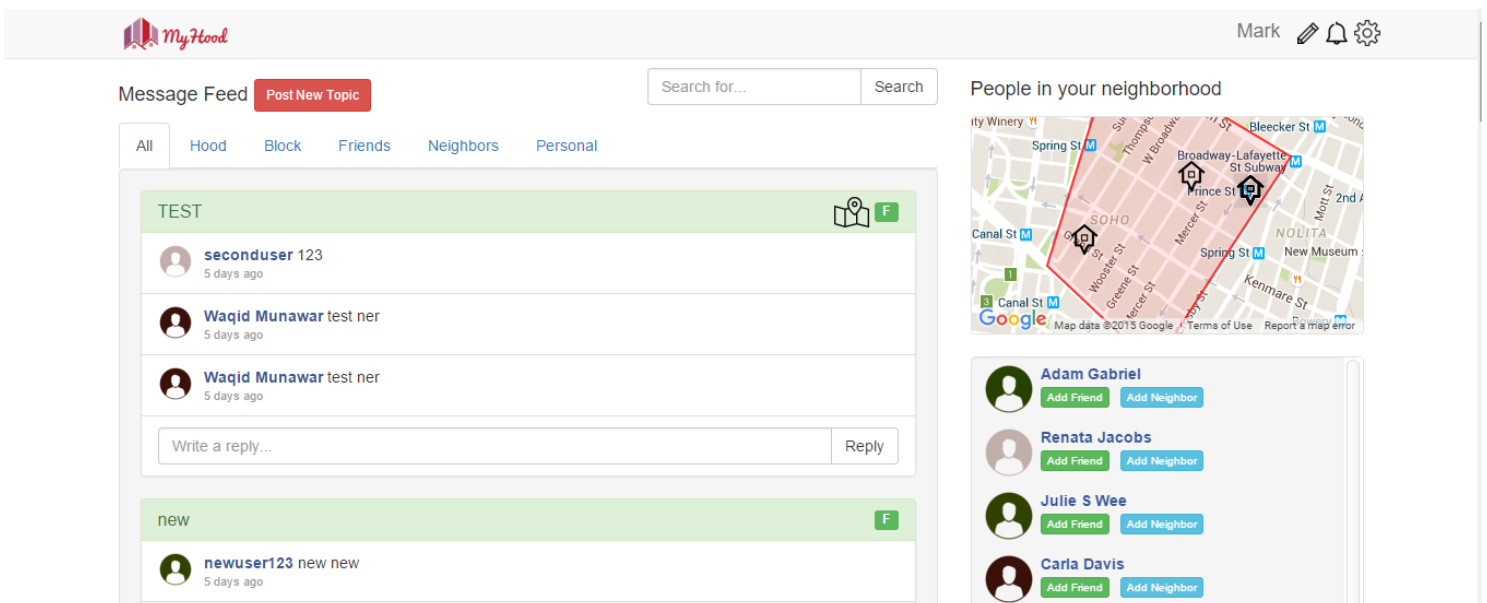
A user receives a notification where he can view the users awaiting block approvals and also the pending friend requests (if any). He then choses whether to accept those requests or not. Let us consider that the user Mark has been approved by 3 existing members of that block.







Step4: Message Feed

Once the user becomes a member of a block he can view message feed as a cluster or he can view them under various tabs as shown below.

View all feed:




View Hood Feed:


Mark   


Message Feed Post New Topic Search


[All](#) [Hood](#) [Block](#) [Friends](#) [Neighbors](#) [Personal](#)


Soccer match




 **Waqid Munawar** Guys lets have a soccer match near W4. Check map for location
5 days ago

 **Waqid Munawar** its tomorrow eve
5 days ago

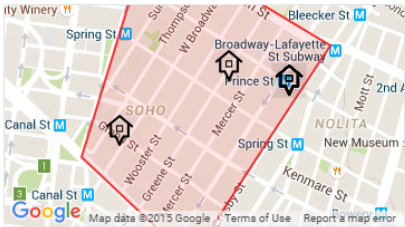
 **Waqid Munawar** 4pm
5 days ago


 **Waqid Munawar** and dont forget the pass
5 days ago


 **Waqid Munawar** and the ball
5 days ago


Reply


People in your neighborhood







 **Adam Gabriel**
Add Friend Add Neighbor

 **Renata Jacobs**
Add Friend Add Neighbor

 **Julie S Wee**
Add Friend Add Neighbor

 **Carla Davis**
Add Friend Add Neighbor


View Block Feed:


Mark   


Message Feed Post New Topic Search

[All](#) [Hood](#) [Block](#) [Friends](#) [Neighbors](#) [Personal](#)

Proposed sidewalk around block


 **Waqid Munawar** Did you all receive the notice about the new sidewalk around our block?
5 days ago

 **Adam Gabriel** Yeah. Seems to be a nice move
5 days ago

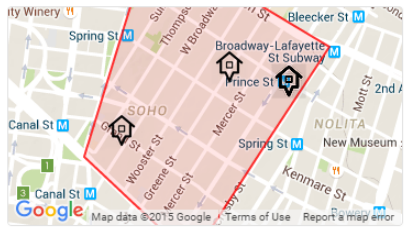
 **Dedrick Bullard** yes. But they are taking away my parking space :(
5 days ago


Reply


Garage Sale


 **Waqid Munawar** I am selling my garage. Don't need it anymore. If anyone interested, plz contact me


People in your neighborhood







 **Adam Gabriel**
Add Friend Add Neighbor

 **Renata Jacobs**
Add Friend Add Neighbor

 **Julie S Wee**
Add Friend Add Neighbor


 **Carla Davis**
Add Friend Add Neighbor


View Friends feed:


Mark   


Message Feed Post New Topic Search

All Hood Block Friends Neighbors Personal

TEST 


 **seconduser 123**
5 days ago


 **Waqid Munawar test ner**
5 days ago


 **Waqid Munawar test ner**
5 days ago


Reply


new

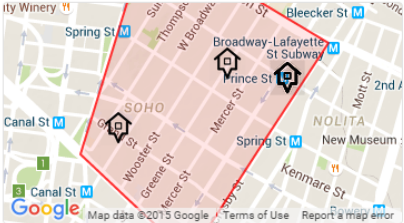
 **newuser123** new new
5 days ago

 **Adam Gabriel**
Add Friend Add Neighbor





 **Renata Jacobs**
Add Friend Add Neighbor

 **Julie S Wee**
Add Friend Add Neighbor

 **Carla Davis**
Add Friend Add Neighbor




View Neighbor Feed:


Mark   

Message Feed Post New Topic Search

All Hood Block Friends Neighbors Personal


Drainage Issue


 **Waqid Munawar** There seems to be a drainage problem near our home. It smells very bad. R u guys facing the same problem?
5 days ago


 **Adam Gabriel** Yeah. It stinks
5 days ago


Reply


Keep the volume down

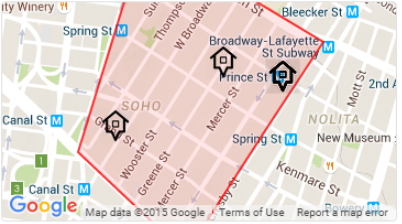
 **Adam Gabriel** I have my exams this week and I am getting distracted because of high volume on TV.
5 days ago

 **Adam Gabriel**
Add Friend Add Neighbor

 **Renata Jacobs**
Add Friend Add Neighbor

 **Julie S Wee**
Add Friend Add Neighbor

 **Carla Davis**
Add Friend Add Neighbor



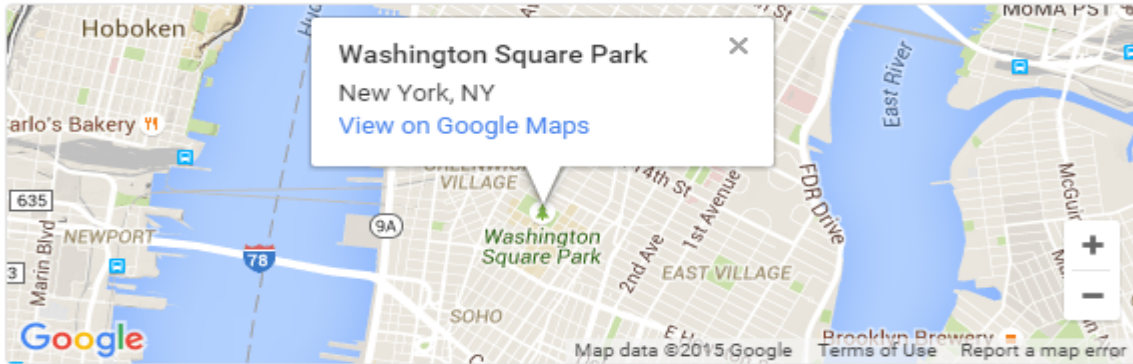
View Personal Feed:

The screenshot displays the 'MyHood' application interface. At the top, there is a navigation bar with the 'MyHood' logo on the left and 'Mark', a pencil icon, a bell icon, and a gear icon on the right. Below the navigation bar, the 'Message Feed' section is active, featuring a red 'Post New Topic' button and a search bar with the placeholder text 'Search for...'. The feed is categorized by tabs: 'All', 'Hood', 'Block', 'Friends', 'Neighbors', and 'Personal', with 'Personal' currently selected. The feed content includes a 'Movie reminder' header and four messages: 'Waqid Munawar' (6 days ago) about a movie at 7pm, 'Dedrick Bullard' (5 days ago) saying 'I am in', 'Dedrick Bullard' (5 days ago) asking 'Which movie?', and 'Adam Gabriel' (5 days ago) asking 'Star Wars?'. A 'Write a reply...' input field and a 'Reply' button are at the bottom of the feed. To the right of the feed is a 'People in your neighborhood' section featuring a map of the SoHo area in New York City, with a red outline indicating the neighborhood. Below the map is a list of four people: Adam Gabriel, Renata Jacobs, Julie S Wee, and Carla Davis, each with an 'Add Friend' and 'Add Neighbor' button.

Step5: Posting topics and replying to messages

A user can also create new topics, tag locations for those topics, and also reply to messages for topics in which he is tagged in.

Post a new topic



Lets meet here at 7am to begin our trip to Florida

Look at the map for location. Washington Square Park.

To specific people

Adam Gabriel, Waqid Munav

Close

Post



Mark   

Message Feed

Post New Topic

Search for...


Search

All Hood Block Friends Neighbors Personal

Lets meet here at 7am to begin our trip to Florida



P

 **Mark** Look at the map for location. Washington Square Park
in 5 hours

Write a reply...

Reply

TEST



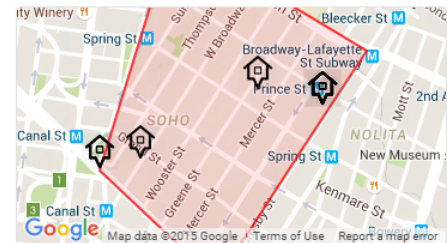
F

 **seconduser** 123
6 days ago

 **Waqid Munawar** test ner
6 days ago

 **Waqid Munawar** test ner
6 days ago

People in your neighborhood



Adam Gabriel
Friends Neighbors



Waqid Munawar
Friends Neighbors



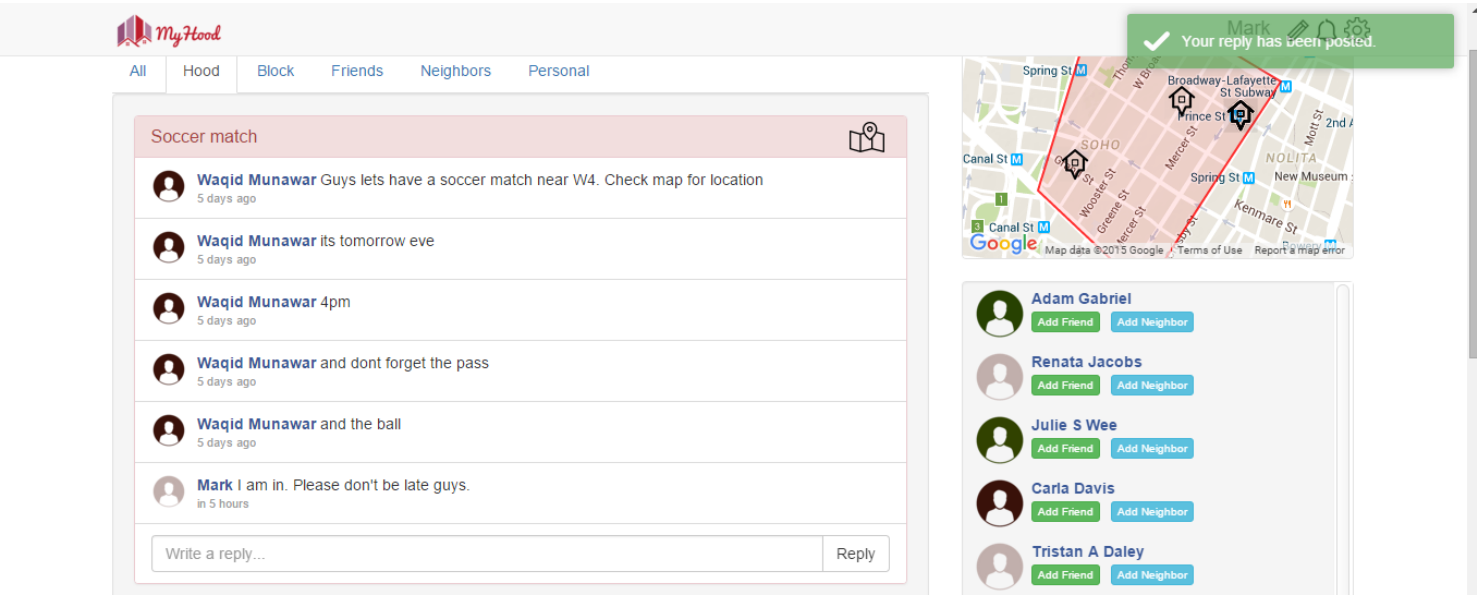
Renata Jacobs
Friends Neighbors



Julie S Wee
[Add Friend](#) [Add Neighbor](#)

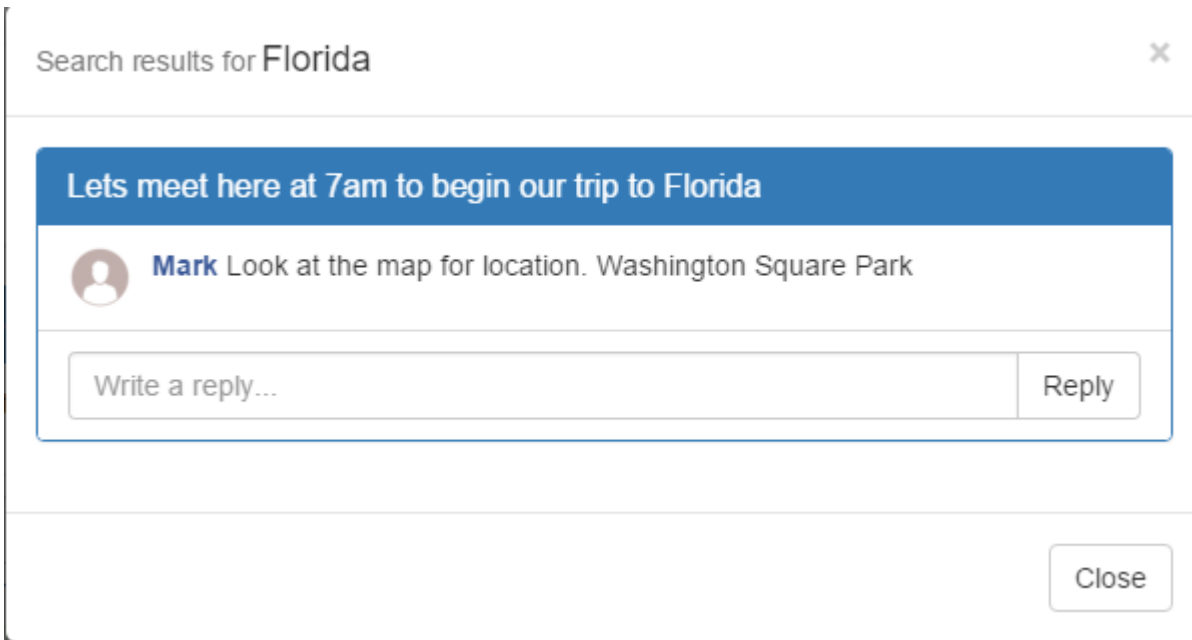
	topicId	subject	authorUserId	location	created	tagType	recipient	parentHoodId	modified
▶	35	Accident on main street!	21	0	2015-12-17 04:37:59	HOOD	5	5	2015-12-17 04:41:29
	36	Garage Sale	31	NULL	2015-12-17 06:56:34	BLOCK	58	5	2015-12-18 14:57:15
	37	Movie reminder	31		2015-12-18 10:30:08	PERSONAL	21,26	5	2015-12-18 15:00:52
	38	Christmas Party Next Week	31	NULL	2015-12-18 08:56:35	NEIGHBORS	21,24,28	5	2015-12-18 14:59:25
	39	Keep the volume down	21	NULL	2015-12-18 09:03:35	NEIGHBORS	24,26,31	5	2015-12-18 15:01:53
	40	Birthday Party Planning	24	NULL	2015-12-18 09:03:59	FRIENDS	21,26,28,31	5	2015-12-18 14:58:19
	41	Drainage Issue	31	NULL	2015-12-18 09:04:35	NEIGHBORS	21,24,28	5	2015-12-18 14:47:10
	42	Dinner at my place tonight	31	NULL	2015-12-18 09:09:35	FRIENDS	21,24,26,28,30	5	2015-12-18 14:57:53
	43	Proposed sidewalk around block	31	NULL	2015-12-18 09:18:35	BLOCK	58	5	2015-12-18 14:55:15
	44	Vote for our neighbourhood	21	NULL	2015-12-18 09:19:35	HOOD	5	5	2015-12-18 14:54:19
	45	Soccer match ...	31	40.730...	2015-12-18 18:59:14	HOOD	5	5	2015-12-24 07:30:49
	46	New post	70	40.724...	2015-12-18 21:57:53	FRIENDS	72	6	2015-12-18 21:57:53
	47	new	70		2015-12-18 22:00:01	FRIENDS	72	6	2015-12-18 22:00:01
	48	TEST	72	40.722...	2015-12-18 22:11:25	FRIENDS	70	4	2015-12-18 22:34:01
	51	Lets meet here at 7am to begi...	76	40.731...	2015-12-25 00:15:09	PERSONAL	21,31	5	2015-12-25 00:15:09

Message reply:



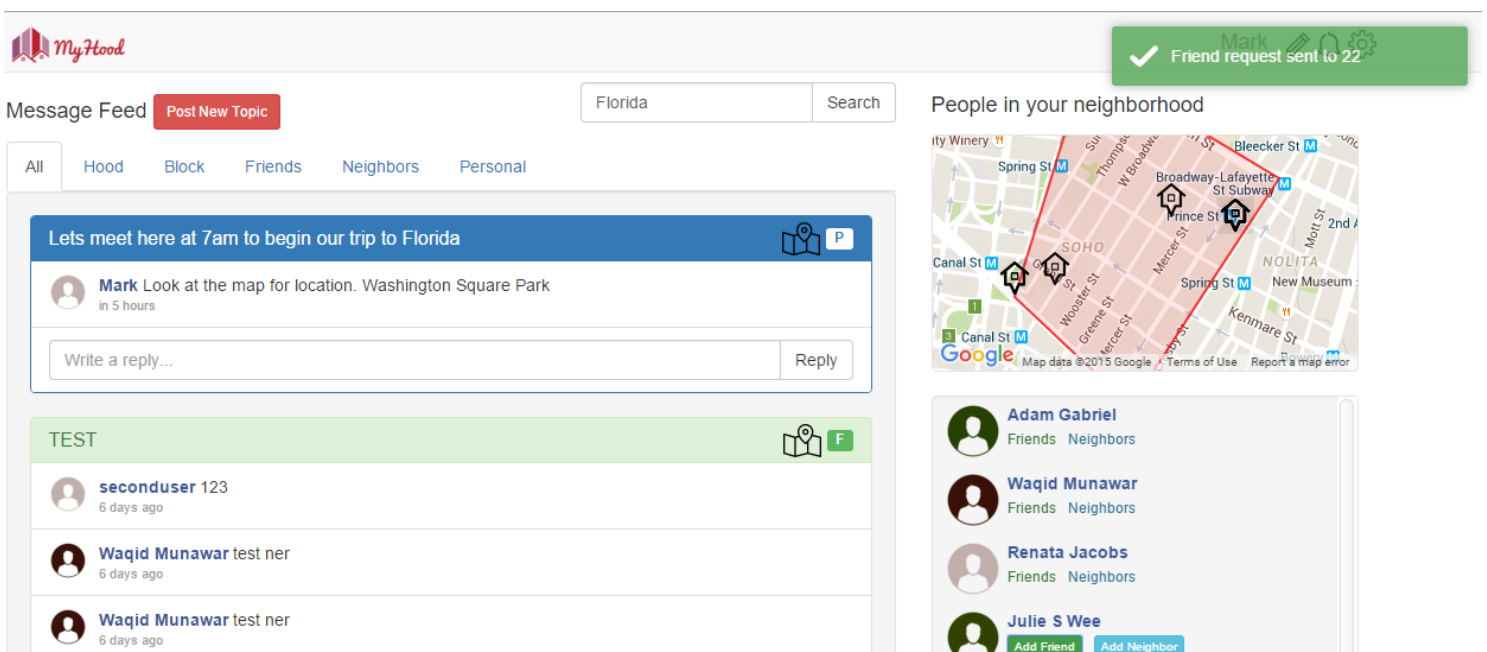
Step6: Search for messages

By entering a keyword in the search box, a user can search for all the messages which contain that particular keyword. For example searching for Florida, gives the output shown in the image.



Step7: Adding a Friend

A user can select "Add Friend" option and send a friend request to any person belonging to his hood. When the other user sees the request from the user in the notifications tab, he may decide whether to accept it or just ignore.




	fromUserId	toUserId
▶	30	31
	31	21
	26	31
	74	70
	76	22




When the other user (userId:22) accepts the friend request, it is updated in the Relation table.

	firstUserId	secondUserId	isFriend	isNeighbor
	24	31	1	1
	26	24	1	0
	24	28	1	1
	31	76	1	1
	24	76	1	1
▶	76	22	1	0

Step8: Adding neighbors

If a user sees anyone who is his neighbor, he can add him by clicking on the "Add Neighbor" button.



☒ Mark    You just added a neighbor.

Message Feed


Post New Topic

Florida


Search

All
Hood
Block
Friends
Neighbors
Personal

Lets meet here at 7am to begin our trip to Florida



P




Mark
Look at the map for location. Washington Square Park

in 5 hours


Write a reply...

Reply

TEST




F




seconduser 123

6 days ago



Waqid Munawar test ner

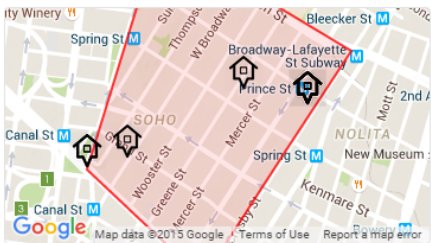
6 days ago




Waqid Munawar test ner

6 days ago


People in your neighborhood






Adam Gabriel

Friends
Neighbors




Waqid Munawar

Friends
Neighbors



Renata Jacobs

Friends
Neighbors



Julie S Wee

Add Friend

Add Neighbor

	firstUserId	secondUserId	isFriend	isNeighbor
	24	31	1	1
	26	24	1	0
	24	28	1	1
	31	76	1	1
	24	76	1	1
▶	76	22	1	1

Step9: Edit Profile

When a user wants to change his details, he can do so by clicking on the Edit Profile button.

Do you want to change your hood/block? If yes, Click [here](#)

Username

Email Address

About

Family

Upload your Profile Picture

 No file chosen