

Wireframing Relational Data

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Project idea

I would like to create a time capsule system which will store users' pictures, messages, location and mood on a timeline. A user can come to the website and see all of their pictures, messages, location and mood as entries in a timeline, they can also edit these entries. They can also create a new timeline where they can add new entries to that timeline. A user can tag another user which would allow two users to share the same timeline where they can both on that timeline.

Relational Database

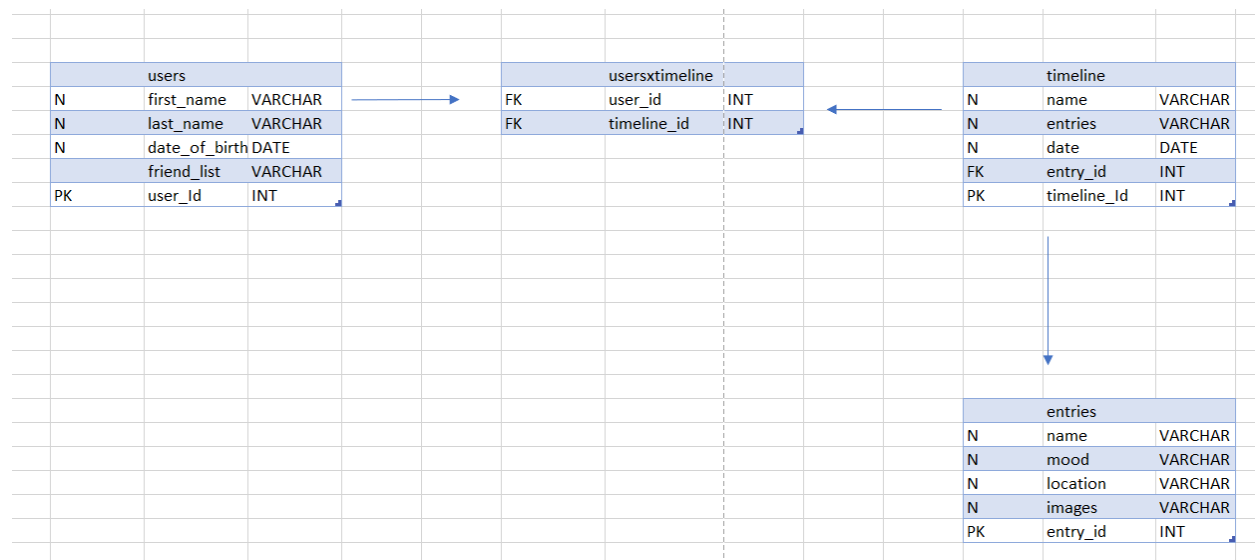


Fig 1: An entity relationship Users, Timelines and Entries

	User Entity	Timelines Entity	Entries Entity
User Entity	X	A user has many timelines	X
Timelines Entity	A timeline has many users	X	A timeline has may Entries
Entries Entity	X	An entry has one Timeline	X

Fig 2: A table which verbalizes relationship between entities.

Wireframes

Update User Wireframe

First Name

Last Name

Date of Birth

Update

Cancel

Timeline list

Timeline 1

Timeline 2

Timeline list

Select timeline

Add

Friends list

user 1

user 2

users list

Select user

Add

Fig 3: The figure above shows the wireframe to update user. A user can edit their first name, last name and date of birth. The user will be able to add new timelines and friends. When the user can select which friends can edit the timeline and its entries. To access the timeline double click on timeline you want to edit.

Update Timeline Wireframe

Timeline Name

Date

Update

Cancel

Entries

Entry 1



Entry 2



Entries list

Select Entries



Add

Allowed users

User 1



User 2



Friend list

Select Friend



Add

Fig 4: The figure above shows the wireframe to update the timeline. The user and allowed users can edit the timeline name, date and individual entries. The user can change who are allowed to edit on that timeline and its Entries. To access the entry double click on the entry to edit.

Update Entry Wireframe

Name

Mood

Location

Messages

Images

Image 1

Image 2

Picture list

Select Picture

Add

Fig 5: The figure above shows the wireframe to update Entry from timeline. Users can edit the name, mood, location, message and upload images of each entry.

Final notes on wireframes

These are the API methods could be used to implement the wireframes above

GET ListUsers	GET ListTimelines	GET ListEntries
GET FindUsers	GET FindTimelines	GET FindEntries
POST AddUsers	POST AddTimelines	POST AddEntries
DELETE DeleteUsers	DELETE DeleteTimelines	DELETE DeleteEntries
PUT UpdateUsers	PUT UpdateTimelines	PUT UpdateEntries
GET ListUsersForTimeline	GET ListTimelinesForEntries	GET ListEntriesForTimlines
	GET ListTimelinesForUsers	
POST AddTimlines	POST AddEntries	POST AddImages
POST AddFriends	POST AddAllowedUsers	
DELETE RemoveTimlinesFromUser	DELETE DeleteEntriesFromTimelines	DELETE DeletelImagesFromEntries
DELETE RemoveFriendsFromUsers	DELETE DeleteAllowedUsersFromTimeline	