



Twitter Mini

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Overview

This project will be about a Twitter-like application. Twitter is an online social networking service where users post and read short messages called "tweets." Registered users can post and read tweets, but those who are not registered can only read them. Users access Twitter through their website interface.

Goals

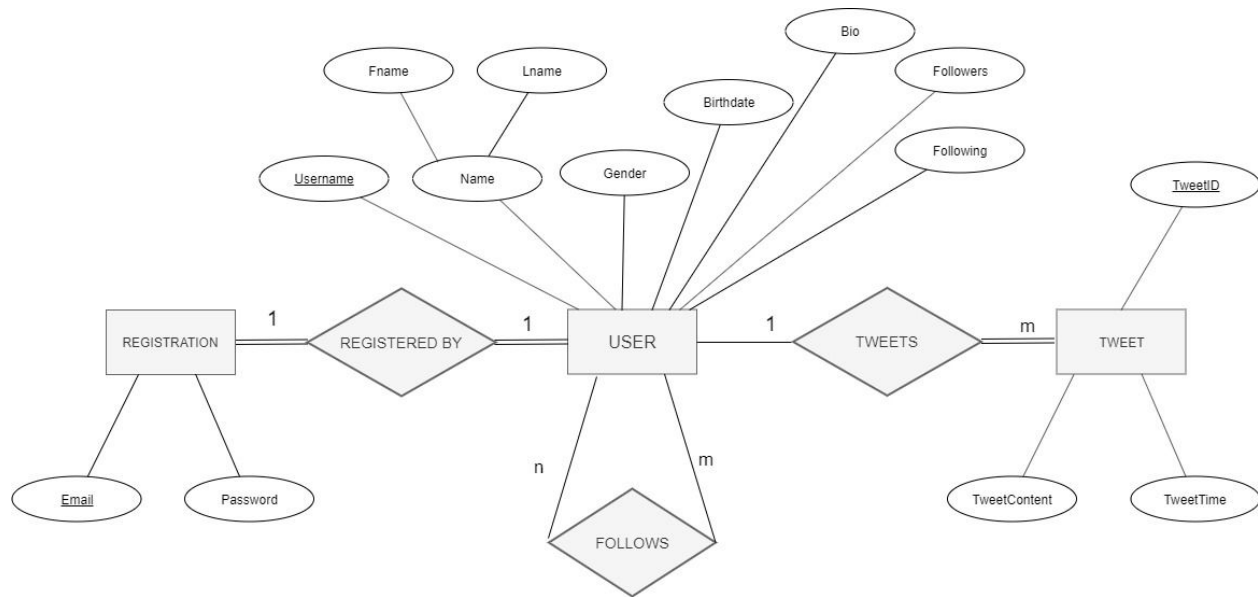
Functional Requirements

1. Users should be able to post new tweets.
2. A user should be able to follow other users.
3. The service should be able to create and display a user's timeline consisting of top tweets from all the people the user follows.
4. A user's profile will be consisting of their own tweets and their feed will consist of tweets of others who follow them.
5. User will have an interface where they can search for other users and connect.

Non-functional Requirements

1. Our service needs to be highly available.
2. Consistency can take a hit (in the interest of availability); if a user doesn't see a tweet for a while, it should be fine.

ER Model



Database Schema

USER

<u>Username</u>	Fname	Lname	Gender	DOB	Bio	FollowersCount	FollowingCount
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TWEET

<u>TweetID</u>	Username	TweetContent	TweetTime
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REGISTRATION

<u>Email</u>	Username	Password
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FOLLOWS

<u>Follower</u>	<u>Following</u>
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Platform

It will be launched both as a Web-based application.

Technical Process

Following would be the languages we would use to develop my application within the stipulated time period:

Front-end development: JQuery, HTML, CSS, Javascript.

Back-end development: Javascript, MySQL.

References

<https://www.educative.io/courses/grokking-the-system-design-interview/m2G48X18NDO>

<https://github.com/devanSAGA/Database-Mini-Twitter>