

# Assignment 1

## Twitter from Temu

Let's make a Twitter clone or parts of it, for non-political reasons.

## Features

The website should mainly consume an API, which should support the following basic features.

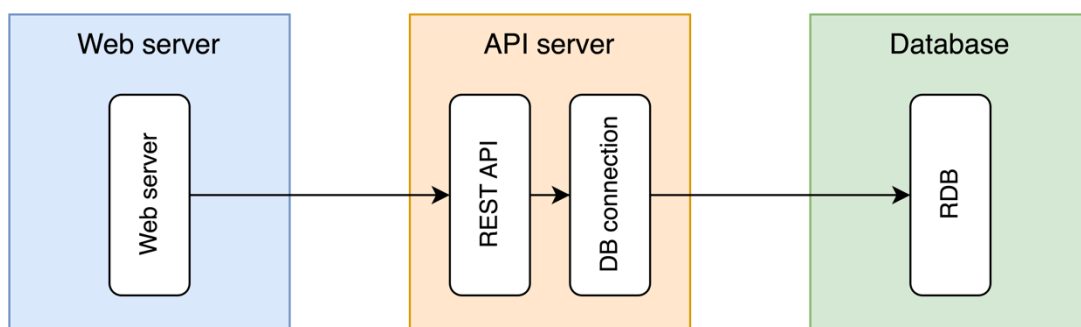
- Post tweets
- Edit tweets (?)
- List tweets
- Search for tweets
- Search for hashtags
- 
- Make account
- List accounts
- Search for account

## Architecture

The system should be split up in three levels:

- User-interface level – Written in whatever you want
- Processing level – REST API, using FastAPI or Flask, written Python
- Data level – Relational database of your choice

Each of these should be its own service in Render. (You can use different service providers if you want.)



The main point of this assignment is the API server, so the exact SQL-ing, the website design quality and the correct use of JS frameworks are significantly less important. The API-DB-system should be usable by other services than the web server.

The plan is for assignment 2 to build on this system (mainly API-server). Consider this when making your system. The more extensible, the easier to continue later.

## Deliverables

Deliver the following to Blackboard:

- Report (PDF-file)
- Repos (ZIP-files)