——
PS&T Code Challenge - Assignment 2
——

Technical Stack Spring Boot, Java 8.

Duration 2 working days, strictly

Description Develop a simple twitter application(RESTful web service) that supports following functionalities

Assignment Details

- **Signup User** - /signup API. Create User using email address, password, name. And gender.
- **Login User** - /login. Login user using email address and password. The API returns a token. This token is to be used in subsequent requests.
- **Follow Users** - /follow API . User can follow other users given a user ID.
- **Followers** - /followers API. Logged in User can see the followers.
- **Tweet** - /tweet API. User can post. The limit is 100 characters.
- **Like a Tweet** - /like API. User can like a tweet given a tweet ID.
- **Home Page** - /home API. Show top 10 tweets to the currently logged in User.

Guidelines:
- Create Entity models and association to clearly show how user follow and following will work.
- All the APIs except signup and login should be secure. Make sure to use the token generated by login.
- Any In-memory DB can be used. Preferably H2 DB.
- Please write test cases for all the APIs.
- No need to optimise the /home API.
- Proper use of HTTP verbs and query params.
- Overall design should be modular and structured.
- The web application should be packaged as a JAR and should run in Tomcat and Java 1.8.

Evaluation Criterion

- Completeness of the solution
- Solution Architecture & logic including functional
- Guidelines adherence
- Quality of test cases.
- Coding Standards, e.g. Readability, Re-usability, Modularity, Extensibility, usage of design patterns.