

# Software design Documentation

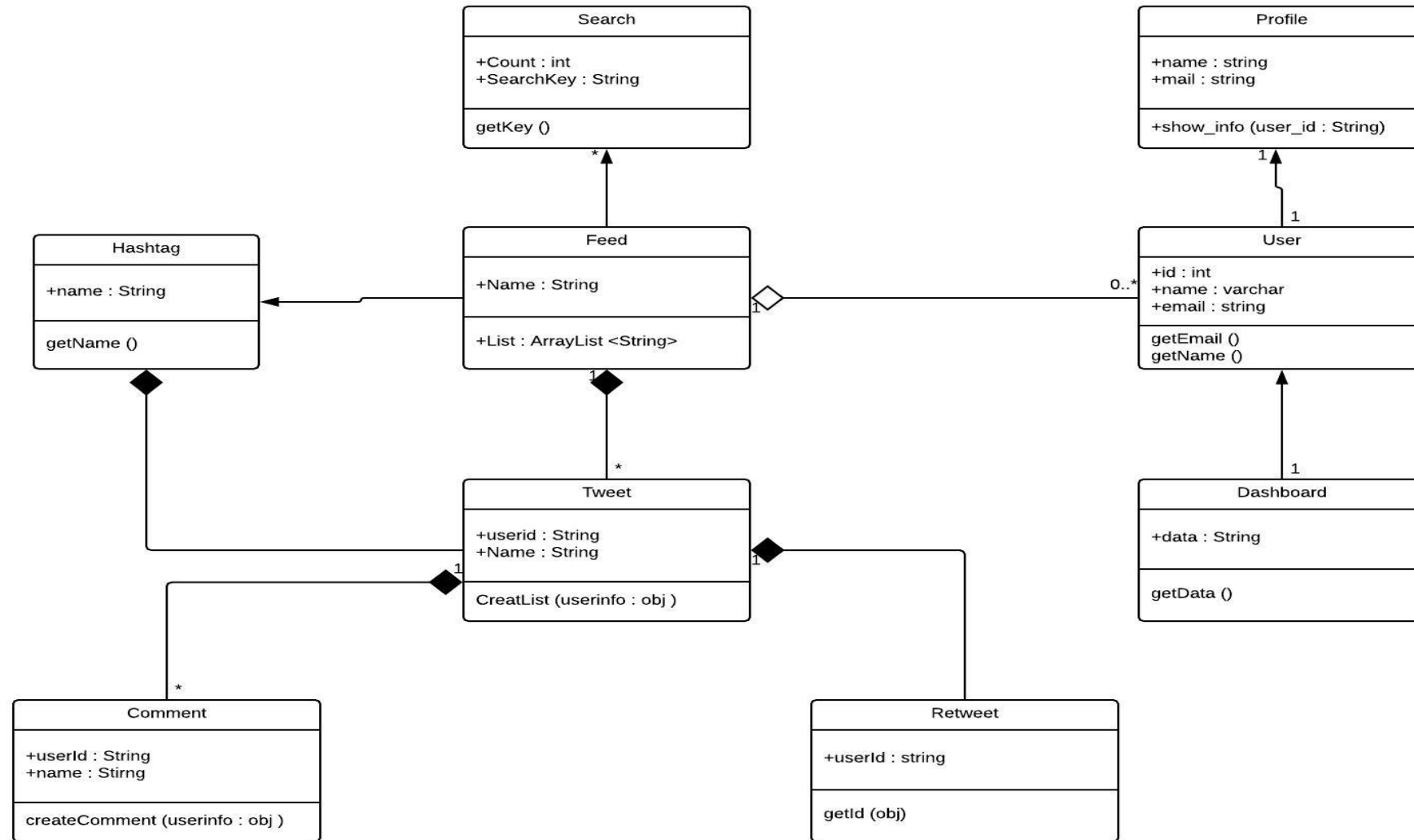
## TweetDemo

Version : 1.0

# Prepared by

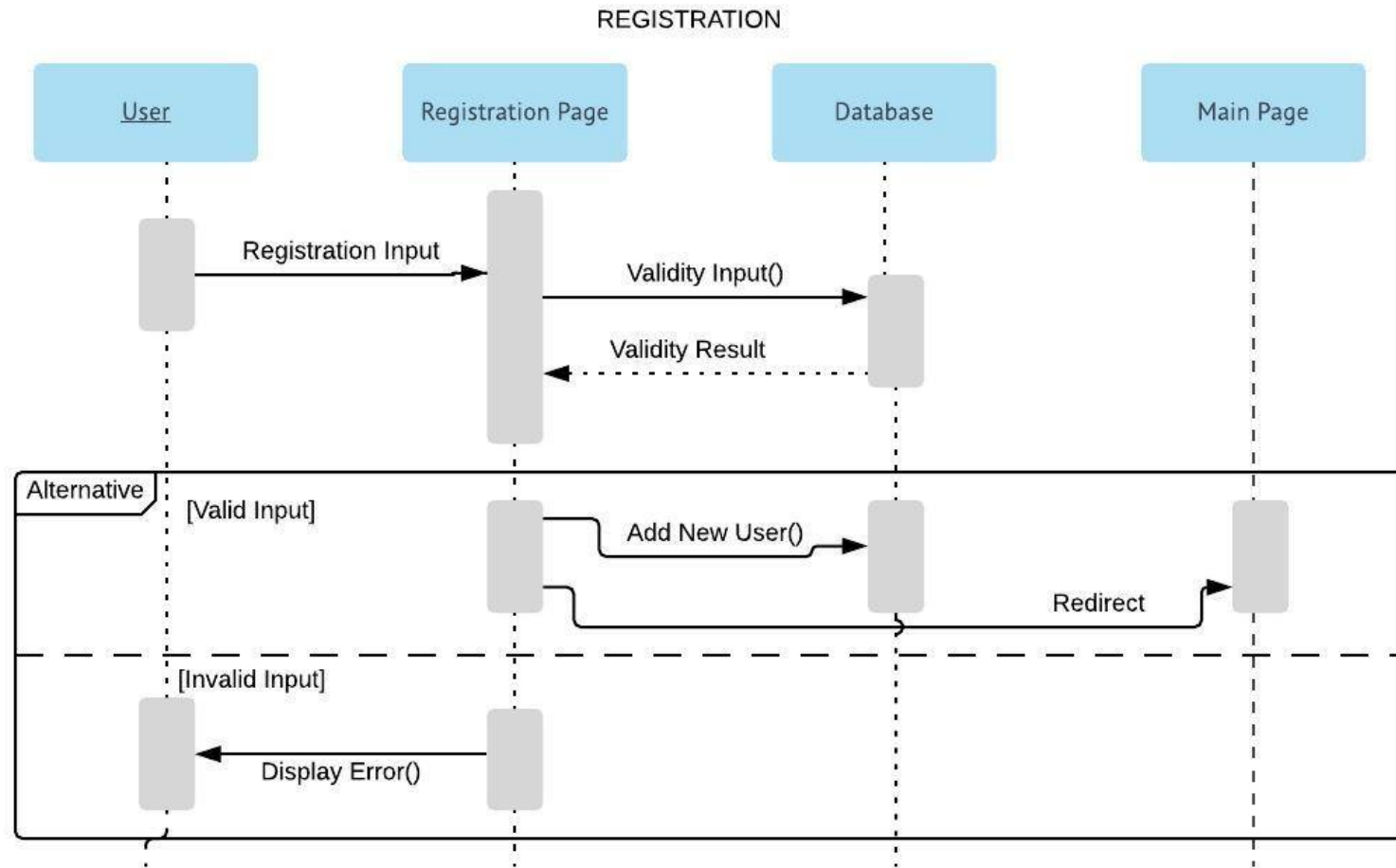
- Imran Mahmud Sadman 1610940642
- Esha Bintee Mahid 1610259042
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- Nazmus Shahadat
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# Class Diagram:

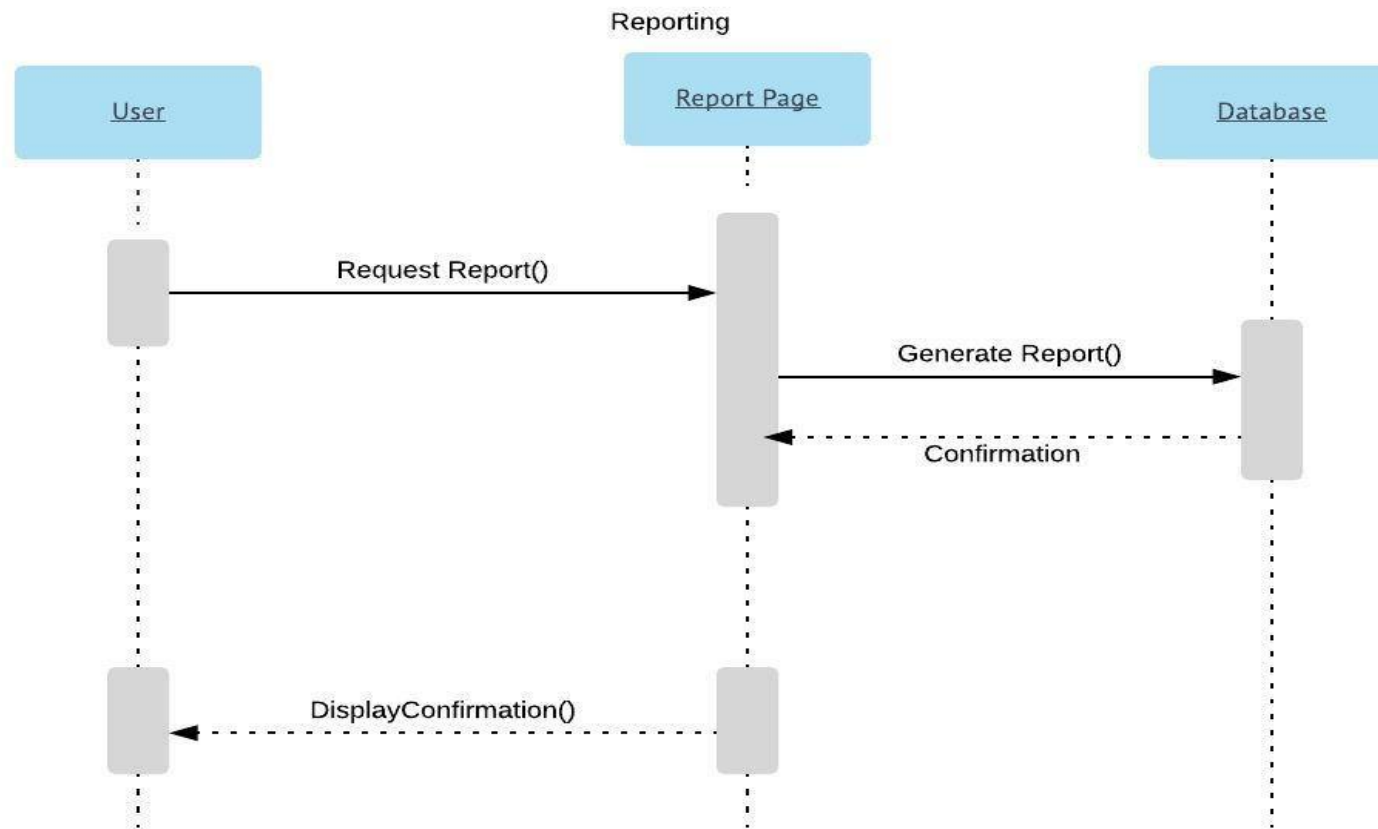


# Sequential Diagram

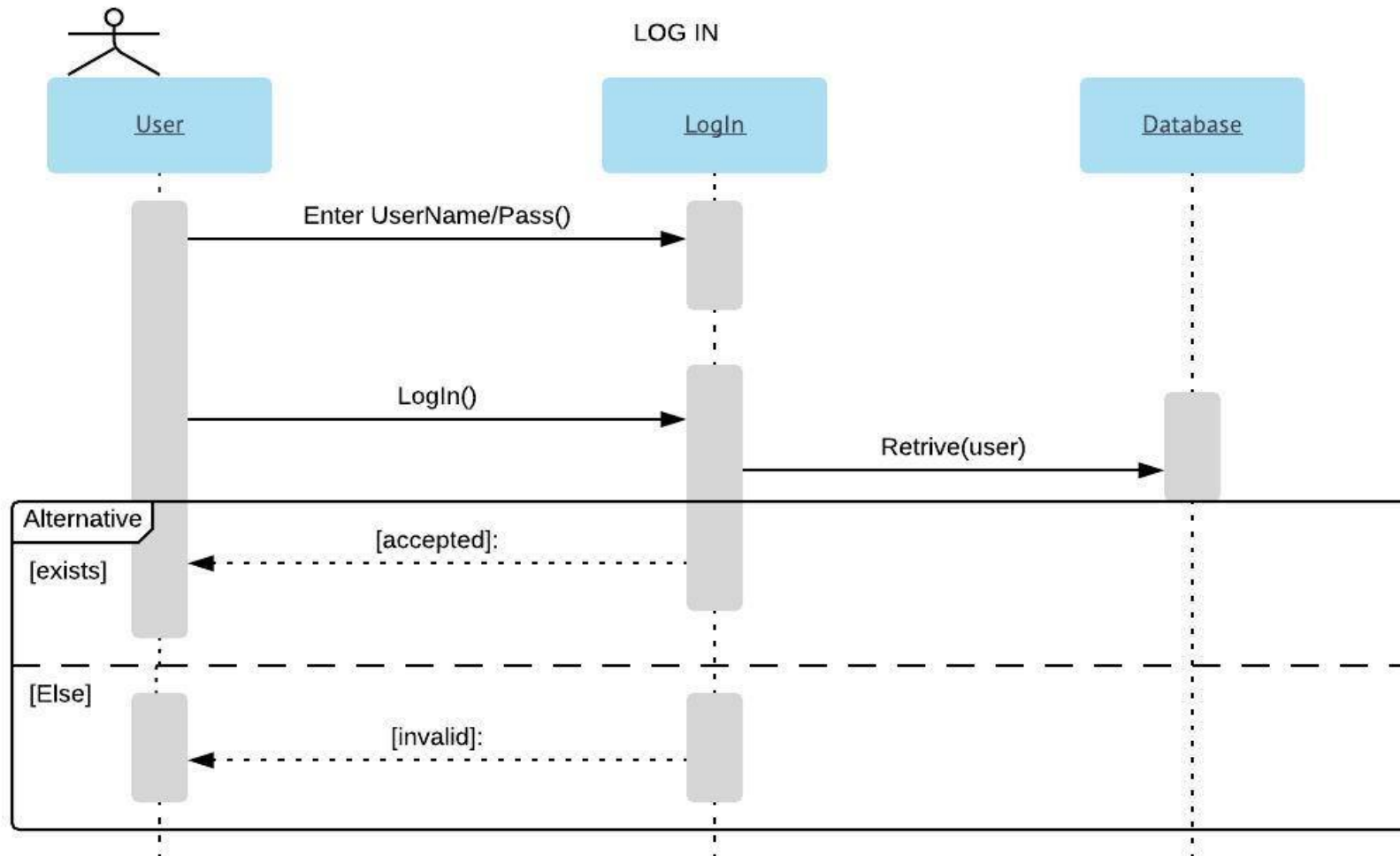
## 1. Registration :



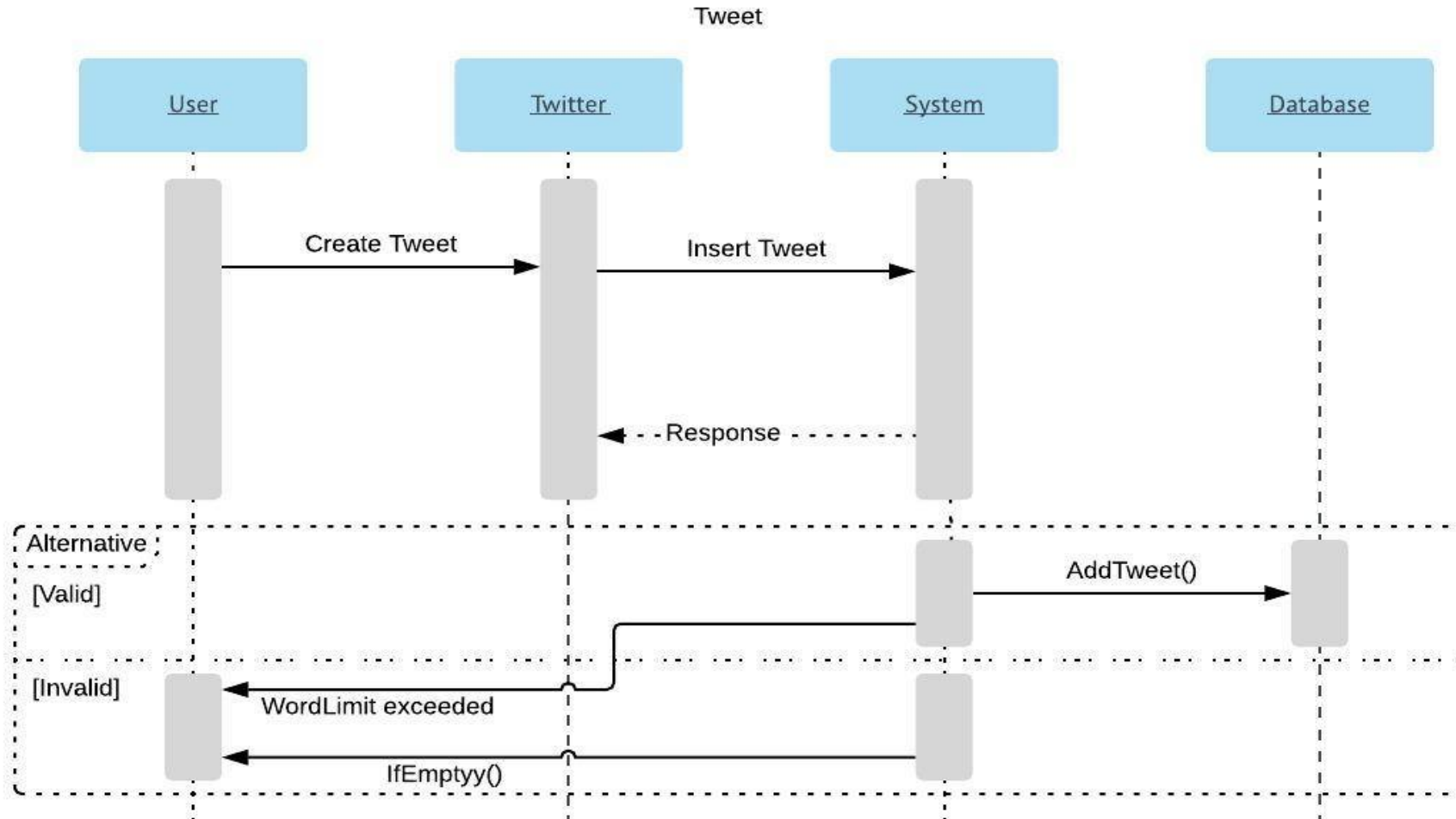
## 2. Report :



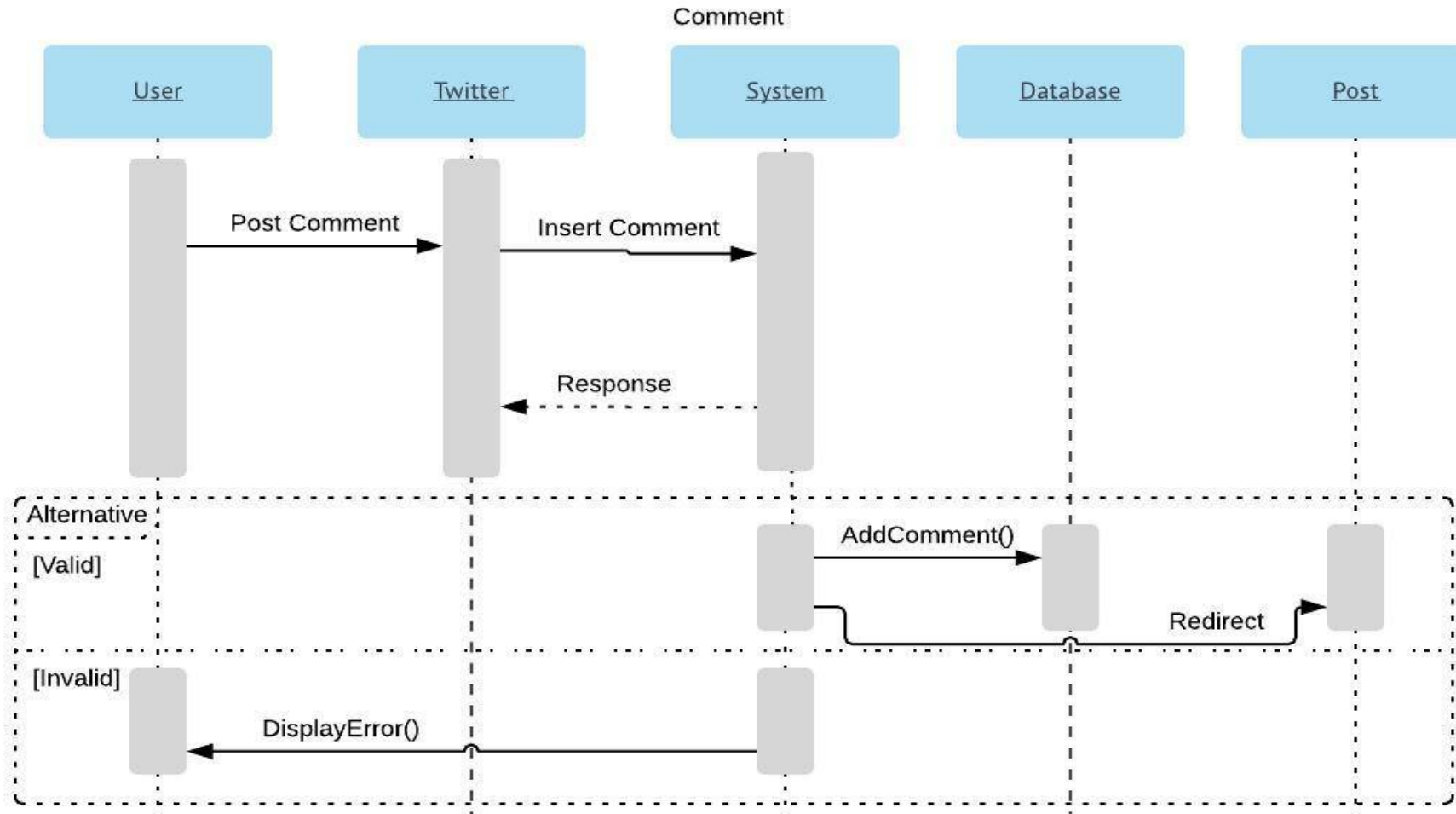
### 3. Log in :



## 4. Tweet :



## 5. Comment :

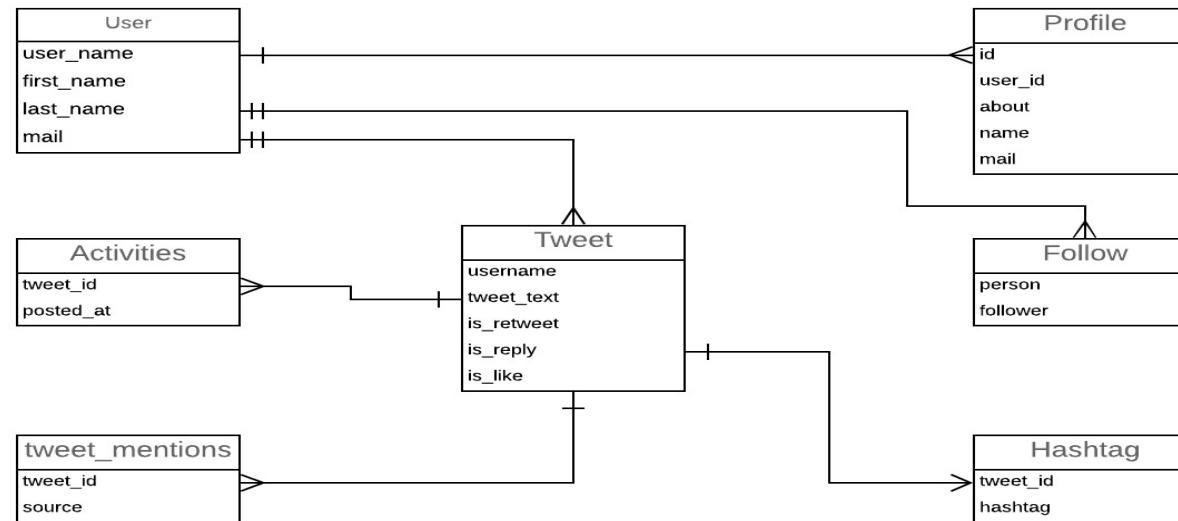




# Database Scheme

## Entity Relationship Diagram

Ashraful Islam Alvee | November 6, 2018



# Mysql

- CREATE TABLE `User` (
  - `user\_name` <type>,
  - `first\_name` <type>,
  - `last\_name` <type>,
  - `mail` <type>
- );
- CREATE TABLE `Profile` (
  - `id` <type>,
  - `user\_id` <type>,
  - `about` <type>,
  - `name` <type>,
  - `mail` <type>
- );
- CREATE TABLE `Follow` (
  - `person` <type>,
  - `follower` <type>
- );
- CREATE TABLE `Tweet` (
  - `username` <type>,
  - `tweet\_text` <type>,
  - `is\_retweet` <type>,
  - `is\_reply` <type>,
  - `is\_like` <type>
- );

- CREATE TABLE `tweet\_mentions` (
  - `tweet\_id` <type>,
  - `source` <type>
- );

- CREATE TABLE `Hashtag` (
  - `tweet\_id` <type>,
  - `hashtag` <type>
- );

- CREATE TABLE `Activities` (
  - `tweet\_id` <type>,
  - `posted\_at` <type>
- );

# Technology stack :

- Platform : Linux based OS
- Logical language : Python
- Framework : Django (backend)
- Frontend : html,css,bootstrap
- Database : mysql
- Webserver : apache
- Management containerization : Docker
- Version control : git
- Web based version control : github using git
- API : Restful API
- API tool : Postman