

Software Requirements Specification

10/13/14

Twitter Like Project

Group 5

Table of Contents

Table of Contents	i
1.0. Introduction	1
1.1. Purpose	1
1.2. Scope of Project.....	1
1.3. Glossary.....	1
1.4. References	Error! Bookmark not defined.
1.5. Overview of Document	1
2.0. Overall Description.....	2
2.1 System Environment.....	2
2.2 Functional Requirements Specification	2
2.3 User Characteristics	2
2.4 Non-Functional Requirements	2
3.0. Requirements Specification	3
3.1 External Interface Requirements.....	3
3.2 Functional Requirements	3
3.3 Detailed Non-Functional Requirements	11

1.0. Introduction

1.1. Purpose

This project is to create a Twitter like service for our customer. He wants his own service that mimics Twitter, but is tailored to his personal likings.

1.2. Scope of Project

This project will create a service that will let users send tweets and view tweets. Only people who are logged in can view and send tweets. Users can only see other friend's tweets unless the user has made their profile public. This is a stand alone service and does not have a larger scope.

1.3. Glossary

Term	Definition
tweet	Message from user to post for others to view.
Remember me	Feature that will let the user bypass the login
E-mail	Primary identification for user. Used for log-in
Amazon ec2	Server system that the service will run on. Will also be used for development and testing.

1.5. Overview of Document

First, each requirement will be described in a very low level of detail. Later in section 3, each requirement will be detailed with a use case, GUI transition diagram, Dataflow Diagram, and State Diagram.

2.0. Overall Description

2.1 *System Environment*

This is a stand alone system that will run on any of the amazon ec2 servers.

2.2 *Functional Requirements Specification*

1. User should be able to tweet with a character limit.
2. User can only access the service if they logged in using their E-mail and password unless they have previously used the "remember me" feature
3. User should be able to view other tweets.
4. User should be able to sign-up for an account using their E-mail address, full name, and password.

2.3 *User Characteristics*

The users will be from a wide variety of demographics. This system is built to try and accommodate any sort of user. On average, the user will have a basic understanding of how to use a computer and how social networks are used.

2.4 *Non-Functional Requirements*

There are no non-functional requirements at this stage of development.

3.0. Requirements Specification

3.1 *External Interface Requirements*

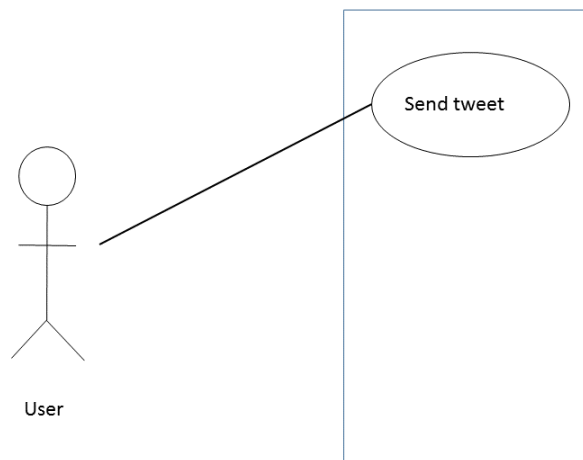
There is no need for external interface as of the current project scope.

3.2 *Functional Requirements*

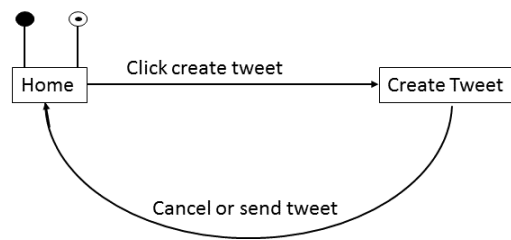
This is the first set of functional requirements. These represent the necessary services that will be developed. Other optional services may be added later if there is time for development.

1. User should be able to tweet with a character limit.

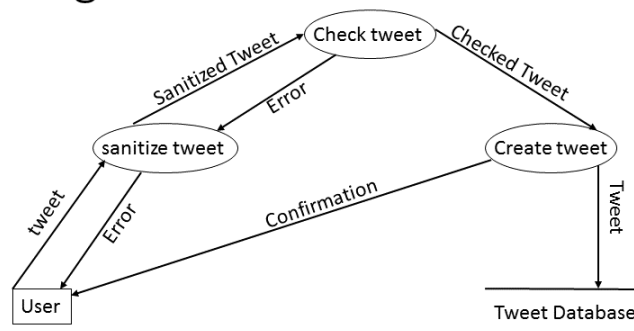
Use Case



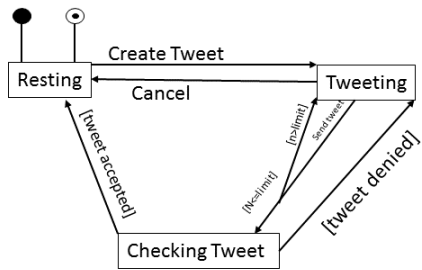
GUI Transition



Data Flow Diagrams

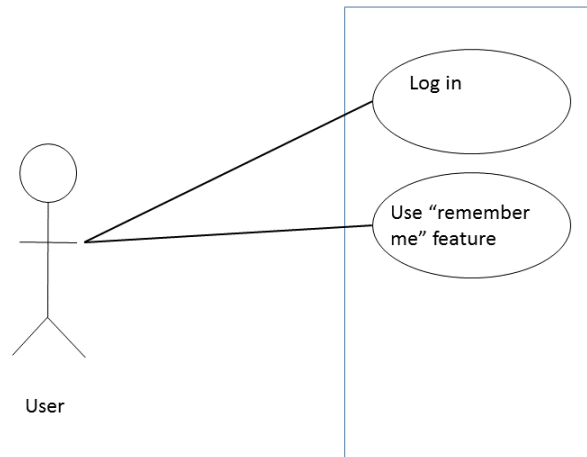


State Diagram

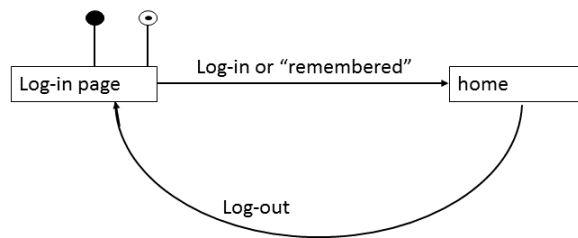


2. User can only access the service if they logged in using their E-mail and password unless they have previously used the "remember me" feature.

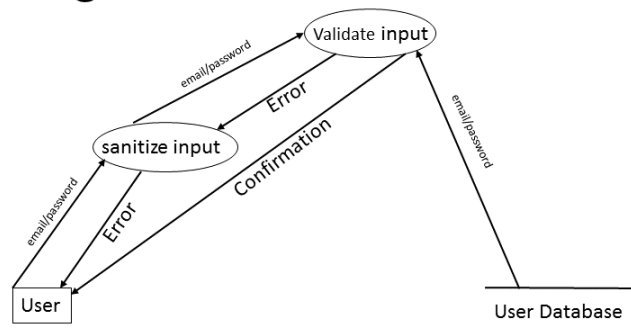
Use Case



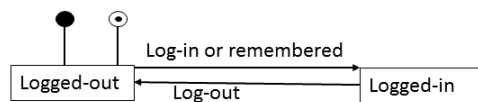
GUI Transition



Data Flow Diagrams

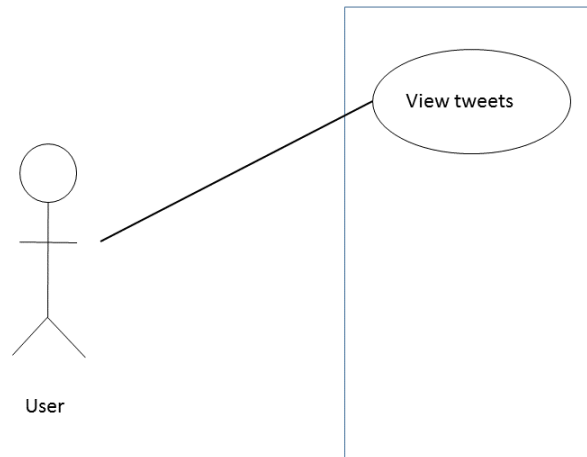


State Diagram

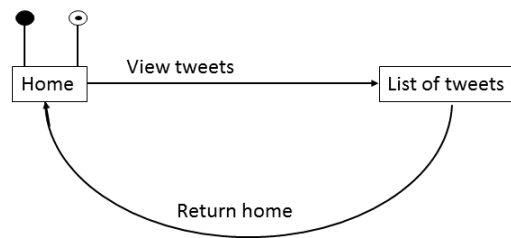


3. User should be able to view other tweets.

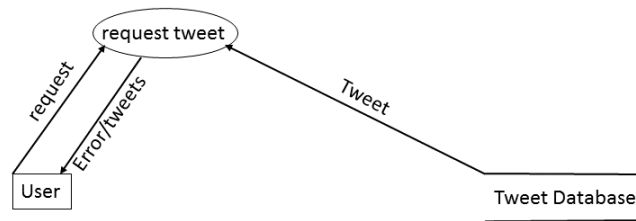
Use Case



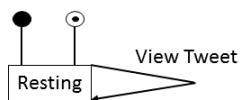
GUI Transition



Data Flow Diagram

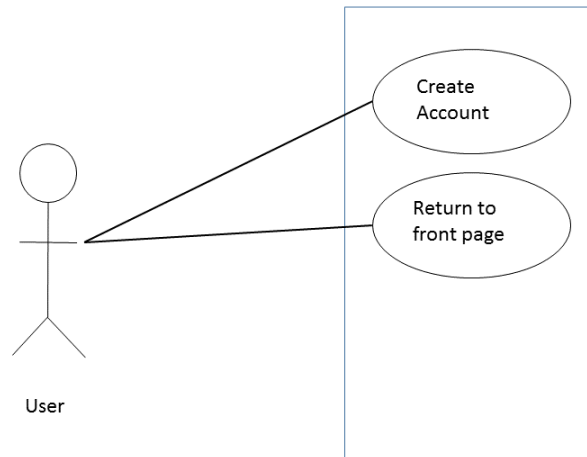


State Diagram

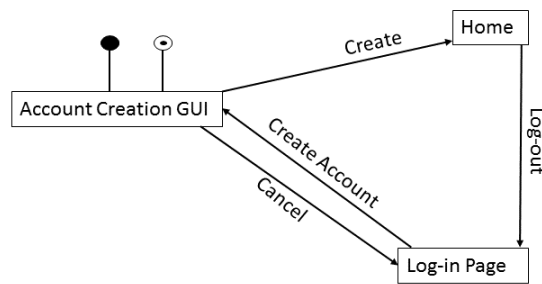


4. User should be able to sign-up for an account using their E-mail address, full name, and password.

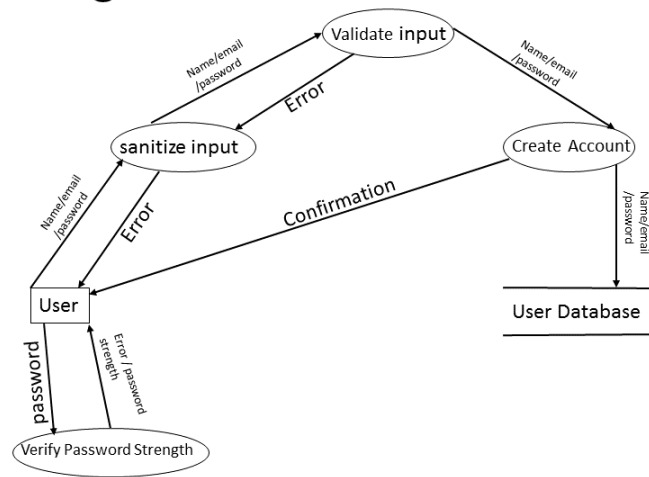
Use Case



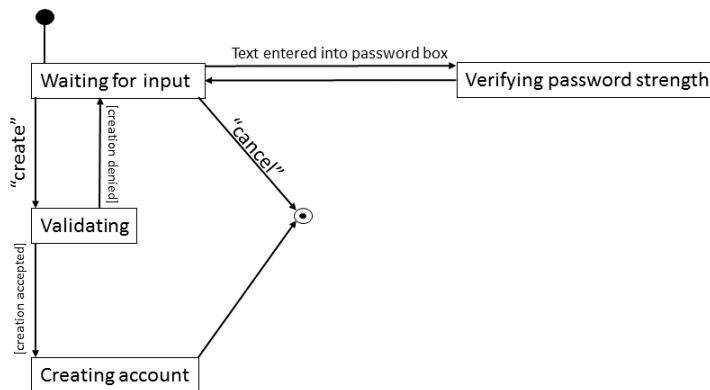
GUI Transition



Data Flow Diagrams



State Diagram



3.3 Detailed Non-Functional Requirements

Since there aren't any non-functional requirements as of yet, this section is empty.