Team Firewall

2-Step Authentication Login

Use Case Report

Revision History

Authors	Description of Change	Sections	Rev	Date
Team Firewall	Initial Release		0	2/6/18

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1   Team Description

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2   Project Description

Statement of Purpose: Create a more secure login.

Detailed Description:

We will create a website and allow users to create accounts. From there they can login/logout, manage their account, and most importantly, opt in/out of 2-Step authentication for future logins.

2.1   Use Case Diagram
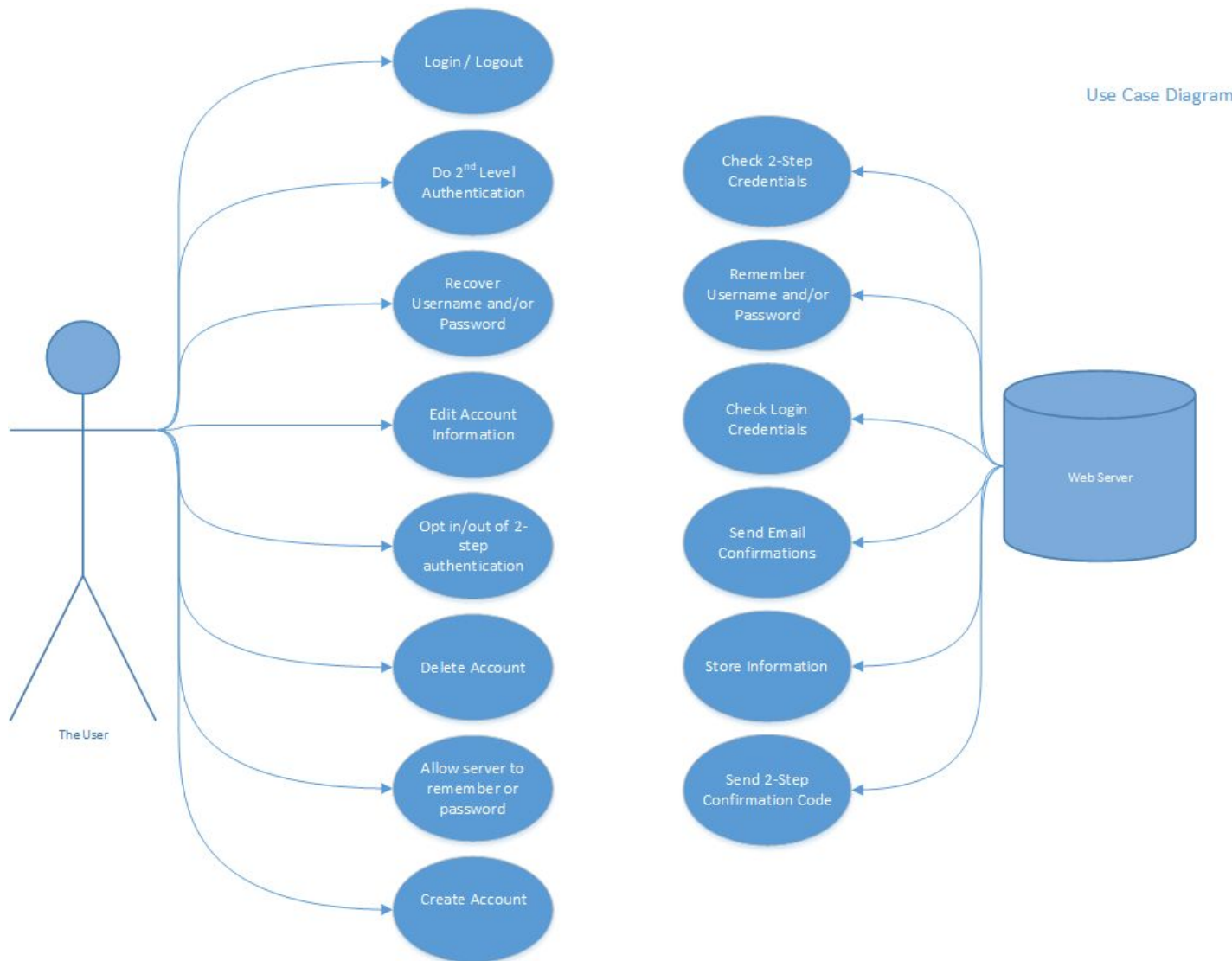
2.2   Use Case List

Use Case		
Sequence Number	**Actor**	**Goal**
1	User	Create Account
2	User	Login
3	User	Edit Account Info
4	User	Delete Account
5	User	Opt in/out of 2-step authentication
6	User	Do 2nd level authentication
7	User	Reset password
8	Server	Check 2-step credentials
9	Server	Remember username and password
10	Server	Check login credentials
11	Server	Send 2-step confirmation link

2.2.1   Create Account

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Create an account.

Preconditions: Have internet access, have access to an email address, use appropriate password.

2.2.2   Login

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Login.

Preconditions: Have internet access, have access to an email address (for first time login or if 2-step verification is turned on).

2.2.3   Edit Account Info

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Allow the user to edit account info.

Preconditions: Have internet access, have access to an email address.

> Change Email
> Allow the user to change their email.

> Change Password
> Allow the user to change their password.

2.2.4   Delete Account

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Delete account.

Preconditions: Have internet access.

2.2.5   Opt in/out of 2-step authentication

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Give user an option of having a 2-step authentication.

Preconditions: Have internet access, have access to an email address, have created an account.

2.2.6   Do 2nd Level Authentication

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Allow the user to enter the link sent to them via email to authenticate.

Preconditions: Have internet access, have access to an email address, have created an account.

2.2.7   Reset password

Primary Actor: User

Secondary Actors(s): Web Server

Goal in Context: Allow the user to be able to reset their password.

Preconditions: Have internet access, have access to an email address, have created an account.

2.2.8   Check 2-step credentials

Primary Actor: Web Server

Secondary Actors(s): User

Goal in Context: The server will check if the link entered by the user matches the link sent to their email.

Preconditions: Server must be online.

2.2.9   Check Login credentials

Primary Actor: Web Server

Secondary Actors(s): User

Goal in Context: The server will check if the password entered by the user match an account.

Preconditions: Server must be online.

2.2.10 Send 2-step confirmation link

Primary Actor: Web Server

Secondary Actors(s): User

Goal in Context: The server will send an a unique link to the email associated with the logged in account so that the user may confirm their identity.

Preconditions: Server must be online.