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An interactive and demonstrative program that implements a Hash Table and explores different hashing functions and collision resolution.

Data Structures 2

Hash

**Reason for Test Case \_\_\_\_\_\_\_\_ Input Values\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_Expected Output**

Create initial admin user address: Peter@gmail.com,

password: Japan1 Admin account created

Logging in – user does not exist address: foo@bar.com

password: baz Incorrect username and password

Logging in – admin user –valid password address: Peter@gmail.com,

password: japan1 Welcome back admin!

Logging in – admin user –invalid password address: Peter@gmail.com

password: baz Incorrect username and password

Add new user – non existing address: foo@bar.com

password: baz User account created

Add new user – existing address: Peter@gmail.com

password: Japan1 Account already exists

Delete existing user – non existing address: foo@bar.com

admin password: Japan1 Account not found

Delete existing user – existing address: foo@bar.com

admin password: Japan1 User account removed

**Reason for Test Case \_\_\_\_\_\_\_\_ Input Values\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_Expected Output**

Display all existing users in a readable format enter Show users U:Foo@bar.com

A:Peter@gmail.com

\*Change user role – non existing

\*Change user role – existing

Logging in – non-admin user address: foo@bar.com

password: Baz Welcome back!

Change password – old password matches old password: Japan1

new password: Japan2

confirmation: Japan2 Password has been changed

Change password – old password does not match old password: Japan3

new password: Japan2

confirmation: Japan2

Old password incorrect. Password not changed.

Change password – confirmation matches old password: Japan1

new password: Japan2

confirmation: Japan2 Password has been changed

**Reason for Test Case \_\_\_\_\_\_\_\_ Input Values\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_Expected Output**

Change password – confirmation does not match old password: Japan1

new password: Japan2

confirmation: Japan2

New password and confirmation do not match. Password not changed.

\*Forget password – user does not exist

\*Forget password – user exists

\* Performance Test select Performance Test