Final Project - Service Technical Specifications

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| Service Name | CreateAccount |

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| HTTP Request | GET |

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| Inputs | Username, Password, EmailAdd, EmailCon |

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| Possible Outputs | Message, Username, Password, EmailAdd, EmailCon |

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| Errors |

| |

| "Username" : "Invalid" (Must be at least 6 characters) |

| "Username" : "Exists" (Username is already taken) |

| "Password" : "Invalid" (Must be at least 6 characters) |

| "EmailAdd" : "Invalid" (Must have a value and contain "@") |

| "EmailCon" : "Invalid" (Must have a value) |

| "EmailCon" : "Mismatch" (Must match EmailAdd) |

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| Description |

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| This service will create a new uniquely-named user account. |

| If the account is created, the service will return a Message of "Success". |

| In the case of "Success", all other response data can be ignored. |

| If the account creation fails, there will be a Message of "Error". |

| In the case of an error, examine the values of the other 4 outputs. |

| Those values will indicate the nature of the error. |

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| Request Format |

| |

| { |

| "Username": "", |

| "Password": "", |

| "EmailAdd": "", |

| "EmailCon": "" |

| } |

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| Response Format |

| |

| { |

| "Message": "", |

| "Username": "", |

| "Password": "", |

| "EmailAdd": "", |

| "EmailCon": "" |

| } |

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| Service Name | Login |

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| HTTP Request | GET |

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| Inputs | Username, Password |

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| Possible Outputs | Message, Username, Password |

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| Errors |

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| "Username" : "Invalid" (Must be an existing account username) |

| "Password" : "Wrong" (Wrong password for existing account) |

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| Description |

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| This service will verify your username and password match your account. |

| If they match, the service will return a Message of "Success". |

| In the case of "Success", all other response data can be ignored. |

| If the call fails, there will be a Message of "Error". |

| In the case of an error, examine the values of both outputs. |

| Those values will indicate the nature of the error. |

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| Request Format |

| |

| { |

| "Username": "", |

| "Password": "" |

| } |

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| Response Format |

| |

| { |

| "Message": "", |

| "Username": "", |

| "Password": "" |

| } |

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| Service Name | GetAccountInformation |

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| HTTP Request | GET |

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| Inputs | Username |

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| Possible Outputs | Error, Message, Payload |

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| Errors | Username Does Not Exist |

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| Description |

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| This service will return a JSON payload for a single user account. |

| If any error exists, "Error" will be populated with a message. |

| If there are no errors, "Message" should have a value of "Success". |

| The "Payload" should contain all of the user's account information. |

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| Request Format |

| |

| { |

| "Username": "" |

| } |

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| Response Format |

| |

| { |

| "Message": "", |

| "Payload": |

| { |

| "account": |

| { |

| "username": "", |

| "password": "", |

| "emailadd": "" |

| } |

| } |

| } |

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| Service Name | AddOrUpdateElement |

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| HTTP Request | GET |

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| Inputs | Username, ElementName, ElementValue |

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| Possible Outputs | Error, Message, Payload |

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| Errors |

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| Username Does Not Exist |

| Element Name Contains Spaces |

| Cannot Change Username |

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| Description |

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| This service will update the value of any element of a user account. |

| If that element does not exist, it will be added to the user account. |

| This service will return a JSON payload for a single user account. |

| If any error exists, "Error" will be populated with a message. |

| If there are no errors, "Message" should have a value of "Success". |

| The "Payload" should contain all of the user's account information. |

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| Request Format |

| |

| { |

| "Username": "", |

| "ElementName": "", |

| "ElementValue": "" |

| } |

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| Response Format |

| |

| { |

| "Message": "", |

| "Payload": |

| { |

| "account": |

| { |

| "username": "", |

| "password": "", |

| "emailadd": "" |

| } |

| } |

| } |

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