

Project Update

While we not able to test the interactions between part we did get unit testing and code inspections done.

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| Product | Overall Design Inspection |
| Date | 2/2/2016 |
| Author | Alex Shelley |
| Moderator | Matthew Fouts |
| Inspectors | Rami Bitar,Matthew Fouts,Alex Meyer |
| Recorder | Alex Meyer |

| Defect # | Description | Severity | How Corrected |
|----------|---|----------|--|
| 1 | Does not secure passwords | 2 | We will salt passwords before being passed from client |
| 2 | JSON sent by client does not match Server | 1 | We will make unit testing to make that when they send a form it is sending the right info |
| 3 | Server does not send back what client expects | 2 | We will make unit testing to make sure that they are sent back what is expected |
| 4 | Client does not correctly interpret JSON sent by server | 2 | Front-end makes unit test to make sure that the server is returning what is needed. |
| 5 | Notifications will be harder to do this way. | 3 | We will have to allow the node.js server to communicate with the matchmaking part of our server. |

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| Product | Backend/sql.js - file that will connect node.js to the sql files Inspection |
| Date | 2/8/2016 |
| Author | Alex Meyer |
| Moderator | Matthew Fouts |

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| Inspectors | Rami Bitar,Matthew Fouts,Alex Meyer |
| Recorder | Rami Bitar |

| Defect # | Description | Severity | How Corrected |
|----------|--|----------|--|
| 1 | Putting return statements in the function given to query | 1 | Pass Response to it so that way it can write to that instead(Node.js will run the query in a different thread) |
| 2 | Line 77, if rows.length is negative(IE: the SQL server is being malicious), then the connection to the SQL server will never close. | | Close the connection before the end of the function. |
| 3 | Line 96, variable x is set to the return value of login(), but login may not always return a value. | | Ensure that every time you “return” from login(), you return a number. TypeScript will help with that. |
| 4 | In createAccount(), there is no guarantee that the json object will have the expected fields. For example, the json object may not have a “UserName” field, or it may be set to null. Runtime exceptions may result. | | Check the input to make sure all of the data you expect is there. Alternatively, make it take all of those values as separate arguments, instead of lumping them all into a json object. |
| 5 | In editPassword(), there is no guarantee that json will have the expected fields. See above. | | See above. |
| 6 | In function addUserPref(), there is no guarantee that json will contain the expected fields. See above. | | See above. |
| 7 | In function addPref(), there is no guarantee that json will contain the expected fields. See above. | | See above. |
| 8 | In function addUserPref(), the variable “con” does not exist in this scope. | | Pass “con” as a parameter, or make it a global variable. |

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| 9 | In function addPref(), the variable "con" does not exist in this scope. | | See above. |
| 10 | In function getPrefID(), the variable "con" does not exist in this scope. | | See above. |
| 11 | In function getPrefs(), the variable "con" does not exist in this scope. | | See above. |

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| Product | Front end html inspection- public folder |
| Date | 2/8/2016 |
| Author | Matthew Fouts |
| Moderator | Rami Bitar |
| Inspectors | Rami Bitar, Alex Shelley, Alex Meyer |
| Recorder | Rami Bitar |

| Defect # | Description | Severity | How Corrected |
|----------|---|----------|--|
| 1 | Trying to add or remove preferences o requires that the new password fields be filled out on edit account info page | 1 | We will move the change password section to a separate page, if not we simply make the fields independent of one another |
| 2 | Trying to create a new password it tied to the adding preferences and removing | 1 | Separate pages for password and preferences. |
| 3 | Create account page does not properly check the input to be valid | 3 | Later on add constraints to the input to make sure it is valid set the birthday field to drop-down list instead of text |
| 4 | Don't have an account option on index doesn't lead to the create an account page | 2 | Correct the redirect to point to the create account page. |

Unit Testing

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| Product | BackEnd/am_unit_testing.js - file that will connect node.js to the sql files Unit Testing |
| Date | 2/10/2016 |
| Author | Alex Meyer |

| Defect # | Description | Severity | How Corrected |
|----------|---|----------|--|
| 1 | Error with login not working | 1 | Revise sql statement for login to fix |
| 2 | Get Pefs does the wrong thing | 2 | Revise sql statement to depend on userID |
| 3 | EditPassword, does not get right json format to login | 2 | Store newPassword in callback and set it back latter |
| 4 | add Pref, returns a non function or existing var, causing null to be returned | 2 | Create the var that gets the row needed to return |

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| Product | BackEnd/testServer.js - file that will connect node.js to the front end Unit Testing |
| Date | 2/10/2016 |
| Author | Matt |

| Defect # | Description | Severity | How Corrected |
|----------|---|----------|---|
| 1 | Error in parsing | 1 | Correct the syntax and reimplement |
| 2 | Server.js doesn't properly connect to sql.js | 1 | Complete sql.js file |
| 3 | Password not sent the create password page because they are not correctly named | 2 | Change variable Password1 to Password |
| 4 | In A Relationship requirement can not be met | 3 | Can just get rid of this because it seems silly to even ask |

1. We decided not yet to have any automatic testing done yet, instead we have unit test cases, that can be ran by running a few different scripts. Later hopefully, we will be able to make this whole process automatic. We will look into this for next sprint and hopefully find a good framework to use.
2. We have defined the inputs of each test and if they are a success in the different unit testing classes list above, by looking at the given functions and what they call.