**Dashboard.test.js Test Document**

**Bagel.io (Daily Time Manager)**

**Created by** “Bakery Studios”

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**Module Name:** The “register” set of tests in the “tasks.test.js” for the back-end source files.

**Module Description:**

The register module is an API endpoint on the server-side (located in tasks.js) that takes a JSON object with a username, password, and email field. The system then checks the database (via dbUtils.js) if there is already an account with the username or email registered, if so the server will return a status code 200 and loginAllowed will be false, and the response object will contain four fields detailing whether the username or password (or both) have already been used.

**Functional Testing Done:**

Testing to see registration reads and confirms sent JSON object properties correctly and gives the correct response on failure or success.

**Equivalence Classes:**

**Suite 1: 'POST register: valid input'**

* Case 1: All fields are correct in this case. This case checks if the register works if there is no existing registration.
* Case 2: Username field is set to an existing user. The register system should send an error as the database cannot register a user that already exists.

**Suite 2: 'POST register: invalid input'**

* Case 1: All fields are set to blank. Should return an error as there is nothing sent.
* Case 2: Password field is empty. Should return an error as the password field is empty.
* Case 3: Email field is empty. Should return an error as the email field is empty.
* Case 4: Username field is empty. Should return an error as the username field is empty.