

Brooks Arthur

Team Member Information

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Project Plan

Feature 1: Login Page

The login page will allow users to log into the website in order to access tasks on their own specialized to-do list, this will also allow for saving tasks between sessions to allow for returning users. The login page will also boast strong validation to preserve user data security.

Rationale

Having a login page will allow for increased functionality which other members will be able to build upon and future features could be created for. Users expect to be able to save their tasks and access them later and from different devices. Technology requirements include database storage for user login information, Node.js for backend logic, a strong need for HTML and CSS to create the login form, and JavaScript with JQuery and hashing modules to securely transfer user login information between the client and the server. To create this there will need to be a new login page implemented with form validation and Ajax data transfer protocols.

Requirements

As a student, I wish to be able to log in to the to-do website so I can retrieve my tasks from a database.

- As a user, I want to be able to create a new user with a unique username and password so I can login to the website and begin creating tasks.
- As a user, I want to be informed when my username or password is incorrect so I can be sure I am logging into the correct account.

Deliverables

- Design:
TBI
- code:
TBI

- test:
TBI
- documents:
TBI

Test Plan

Automated

- Test for user creation with expected incorrect and correct user creation response.
 - Verify that the user creation function works properly.
- Test for user login functionality with expected incorrect and correct user login response.
 - Verify that the user can login/cannot login when the correct/incorrect information is given.

Current expected unit tests: 4

Feature 2: Session Controls

Allow for user information to be transferred between pages and saved as cookies in the user's browser.

Rationale

Session controls are a requirement for additional features to be created and implemented as the session controls allows for users login information to be securely passed between pages, allowing for users to be logged in across all site pages. Session controls requires additional tools and knowledge regarding browser cookies/local storage, hashing, database retrieval and storage.

This feature extends partially into the domain of altering the data shown to users, modifying the database retrieval methods to only show data (tasks) which are related to the current signed-in user rather than all available data on the database. This will require some additional knowledge of querying and searching through the database to vet the responses/requests.

Requirements

As a student, I want to be able to pass hashed user data between pages using local storage/cookies so that I can access user-specific site content and allow for users to be signed in across all current and future pages.

- As a user, I want to be able to stay signed in across all pages on the site so that I don't not need to keep signing in every time I enter a page.
- As a user, I want my data to be hashed so that my password is secure even when used as a cookie/session variable.

- As a user, I want to only be shown content which is related to me and my user account so I gain a user-specific site environment.
- As a user, I want to be able to create content that is saved to the database that is unique to my account so that I can retrieve that specific data and have it displayed to my to-do page.

Deliverables

- Design:
TBI
- code:
TBI
- test:
TBI
- documents:
TBI

Test Plan

Automated:

- Test for specific user generated content when given a specific session variable.
- Test for correct response when uploading content with a specific user variable (password/id)

Manual

- Manual test between logging in with a previously created account and correct data is displayed.

Current expected unit tests: 3

Milestones and Deadline

- **Deadline:** ???
- Milestone 1
 - Date:
 - Goal:

Risk Analysis

1. Scheduled Shows - Variable (set by venue)
2. Sundays - No access to computer, available for communication.
3. ASE 285 Midterm - 4/10
4. HW8 Deadline - 5/3

Project Progress

Feature Implementation

Week 1

Summary

Features chosen and canvas page created.

Milestones and risks in this week

Played a show on Friday, progress affected by preparation for the show.

LoC: 0 (not including original prototype)

Week 2

Summary

Started work on the login page and routes

Milestones and risks in this week

Started progress on the completion of my first features

Addition LoC: 109 (not including original prototype)

File	blank	comment	code
public\stylesheets\style.css	20	1	158
index.js	12	33	93
views\todoEdit.ejs	0	0	39
views\login.ejs	2	0	38
views\todo.ejs	4	0	30
views\json.ejs	0	0	13
views\common_head.ejs	1	0	5
SUM:	39	34	376

Week 3

Summary

Continued work on routes for login and added creation of login verification and routing associated to success and failure responses. Switched routing direction from occuring on the server side to the

client side. Added alerts for logging in with incorrect details and creating an account with a username that already exists.

Milestones and risks in this week

Both requirements for this feature have technically been met but additional work needs to be done before it can be considered launch ready.

LoC: 208 (not including original prototype)

File	blank	comment	code
public\stylesheets\style.css	20	1	158
index.js	14	31	128
views\login.ejs	7	0	90
views\todoEdit.ejs	0	0	39
views\todo.ejs	4	0	30
views\json.ejs	0	0	13
models\UserData.js	1	1	12
views\common_head.ejs	1	0	5
SUM:	47	33	475

Week 4

Summary

Finished work on feature 1. Completed tests and user manual for the feature.

Milestones and risks in this week

Requirements for Deadline 1 completed.

LoC: ~277 lines of additional code

Total Lines of Code:

File	blank	comment	code
index.js	26	47	249
public\stylesheets\style.css	22	1	227
__tests__\brooksUnitTests.test.js	21	7	99
views\login.ejs	7	0	88

views\todo.ejs	4	0	55
views\todoEdit.ejs	0	0	46
views\subtaskEdit.ejs	4	0	42
models\TodoTask.js	1	1	32
views\todoSubtask.ejs	4	0	32
views\todoTagSearch.ejs	3	0	22
views\tagSearch.test.js	3	3	18
views\json.ejs	0	0	13
models\UserData.js	1	1	12
views\common_head.ejs	1	0	5

SUM:	97	60	940

Week 5

Summary

Finished v1 of Feature 2.

Milestones and risks in this week

Completed work on most requirements of feature 2. Requesting requirement which mentions hashing be removed as this is a feature of another member.

Risk: I broke my nose.

LoC: 29 lines of additional code

Total Lines of Code:

File	blank	comment	code

index.js	41	46	312
public\stylesheets\style.css	36	1	300
views\todo.ejs	10	0	178
__tests__\bryceUnitTests.test.js	19	6	104
__tests__\brooksUnitTests.test.js	21	7	99
views\login.ejs	7	0	88
models\TodoTask.js	5	1	75
views\todoEdit.ejs	0	0	46
__tests__\recurringTask.test.js	21	21	43
views\subtaskEdit.ejs	4	0	42
views\todoSubtask.ejs	4	0	32

views\todoTagSearch.ejs	3	0	22
views\tagSearch.test.js	3	3	18
userSessions.js	1	0	13
views\json.ejs	0	0	13
models\UserData.js	1	1	12
views\common_head.ejs	1	0	5

SUM:	177	86	1402

Week 6

Summary

Finalized Feature 2, tests, and manual.

Milestones and risks in this week

Completed the final Milestone.

LoC: 80 lines of additional code

Total Lines of Code:

File	blank	comment
code		

index.js	40	46
311		
public\stylesheets\style.css	36	1
298		
views\todo.ejs	10	0
178		
__tests__\Subtasks_UnitTest_Bryce_Bien.test.js	21	6
104		
__tests__\brooks-loginLogout.test.js	21	7
99		
views\login.ejs	7	0
88		
models\TodoTask.js	5	1

75		
__tests__\brooks-sessionVariables.test.js	8	3
68		
__tests__\PasswordEncryption_UnitTest_Bryce_Bien.test.js	7	0
48		
views\todoEdit.ejs	0	0
46		
__tests__\recurringTask.test.js	21	21
43		
views\subtaskEdit.ejs	4	0
42		
views\todoSubtask.ejs	4	0
32		
views\todoTagSearch.ejs	3	0
22		
models\UserData.js	3	2
19		
views\tagSearch.test.js	3	3
18		
views\json.ejs	0	0
13		
userSessions.js	1	0
12		
views\common_head.ejs	1	0
5		

SUM:	195	90
1521		

