

MariGold

Team 5 - Sprint 1 Planning Document

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Sprint Overview

For the first sprint we are focusing on getting a bare working iOS app and basic functionality on our backend. By the end of the sprint a user will be able to register for an account, login and logout of the app. If they want, the user will be able to reset their password, delete their account or select a sports league they participate in. The user will also have the ability to add, edit and view their medications.

Scrum Master: Will Borland

Meeting Plan: Mondays, Wednesdays and Fridays at 11:30pm.

Risks and Challenges: Some members are not familiar with the certain technologies we are using such as Python, Swift and Flask. For the first sprint we need to setup our workflow so we can work efficiently.

Current Sprint Detail

1. As a user, I would like to be able to register for a MariGold account.
2. As a user, I would like to be able to login and manage my MariGold account.
3. As a user, I would like to be able to reset my password for my MariGold account.
4. As a user, I would like to be able to delete my MariGold account.
5. As a user, I would like to see an overview of all of the medications I am taking.
6. As a user, I would like my information to be secure.
7. As a user, I would like to be able to manually add a medication to my medication list.
8. As a user, I would like to be able to edit my medication list.
9. As a user, I would like to select what sports leagues I participate in.
10. As a user, I would like to be able to logout of my MariGold account.

User Story #1

As a user, I would like to be able to register for a MariGold account.

#	Description	Part	Time	Owner
1	Set up Linux server	Server	6 hrs	Will
2	Set up database	Server	3 hrs	Will
3	Set up user routes	Server	4 hrs	Andrew
4	Implement account creation in backend	Server	4 hrs	Pravin
5	Add tests for verifying account is created	Server	2 hrs	Pravin
6	Create register account view	App	4 hrs	Pravin
7	Send request to register endpoint	App	2 hrs	Pravin
8	Add tests for account view	App	1 hr	Pravin

Acceptance Criteria:

- Given that the Linux server and database are setup correctly, we are able to log into them then create and modify systems and created modules.
- Given that the user routes are implemented correctly, requests sent to the server will be routed to the correct module for handling.
- Given that the register account view functions correctly, when a user inputs their info it will be sent to the server to be added to the database.
- Given that the new account backend module works, when a new account is attempted to be registered to the database, the user will be notified if it was successful.

User Story #2

As a user, I would like to be able to login and manage my MariGold account.

#	Description	Part	Time	Owner
1	Create login view	App	4 hrs	Devin
2	Create account view	App	4 hrs	Pravin
3	Make and send JWT Token	Server	5 hrs	Andrew
4	Implement user login in backend	Server	4 hrs	Pravin
5	Add tests for user login and JWT Token	Server	1 hr	Pravin
6	Add tests for login and account view	App	1 hr	Devin

Acceptance Criteria:

- Given that the login view functions correctly, when a user inputs their credentials the app will send it to the backend.
- Given that the JWT token is created successfully, when a user sends valid credentials it will send back a JWT token.
- Given that the backend login module works, when a user sends invalid credentials it will send a back a message to notify the user that their input was invalid.

User Story #3

As a user, I would like to be able to reset my password for my MariGold account.

#	Description	Part	Time	Owner
1	Create reset password on account view/login view	App	1 hr	Devin
2	Add tests for reset password on app	App	1 hr	Devin
3	Implement reset password in backend	Server	5 hrs	Will
4	Setup mailer	Server	6 hrs	Will
5	Automatically send recovery email	Server	4 hrs	Will
6	Add tests for backend password reset	Server	1 hr	Will
7	Add tests for automatic mailer	Server	2 hr	Will

Acceptance Criteria:

- Given the reset password button works on the account and login view, the user should receive a message that the message was sent.
- Given the server automatic mailer is successful, the user should receive an email with a unique link to reset their password from the server.
- Given the unique link generator and reset password web page work, the user will be able to type in a new password on the web page.
- Given the backend of the reset password web page work, the old account password in the database will be rewritten with the new one.

User Story #4

As a user, I would like to be able to delete my MariGold account.

#	Description	Part	Time	Owner
1	Create delete on account view	App	4 hrs	Pravin
2	Implement delete user in backend	Server	3 hrs	Andrew
3	Create delete account sequence	App	3 hrs	Pravin
4	Empty local storage	App	1 hr	Devin
5	Add tests for user delete	Sever	1 hr	Andrew

Acceptance Criteria:

- Given the delete account button in the UI works, the app will send the message to the backend, and be kicked back to the login view.
- Given the backend mailer works, the backend will send an account deleted email to the account email.
- Given the backend implementation for deleting accounts works, the backend will delete the user account from the database.

User Story #5

As a user, I would like to see an overview of all of the medications I am taking.

#	Description	Part	Time	Owner
1	Create medication view list	App	4 hrs	Devin
2	Implement medication request in backend	Server	4 hrs	Andrew
3	Add tests for medication request in backend	Server	1 hr	Andrew

Acceptance Criteria:

- Given that the medication view UI is displayed, the app will display a list of all of the user's medications.
- Given that the medication view UI is functioning correctly, the app should allow the user to scroll through their list of medications if the view exceeds the height of the screen.
- Given that the backend medication request endpoint is functioning correctly, the server should send a properly formatted list of the user's medications back to the app.

User Story #6

As a user, I would like my information to be secure.

#	Description	Part	Time	Owner
1	Create SSL certificate	Server	2 hrs	Will
2	Hash passwords	Server	2 hrs	Will
3	Add tests for backend hashing password	Server	1 hr	Will

Acceptance Criteria:

- Given that the server has the SSL certificate, HTTPS communication should be used.
- Given that the server has the SSL certificate, a browser should visibly confirm the identity of the webpage in the password recovery page.
- Given that the passwords are hashed, you should not be able to figure out the original password by looking at the database.

User Story #7

As a user, I would like to be able to manually add a medication to my medication list.

#	Description	Part	Time	Owner
1	Create navigation bar to switch views	App	4 hrs	Devin
2	Create medication addition view	App	3 hrs	Devin
3	Add tests for navigation bar, medication lists and add medication	App	1 hr	Devin
4	Implement medication add in backend	Server	4 hrs	Andrew
5	Add tests for add medication in backend	Server	1 hrs	Andrew

Acceptance Criteria:

- Given that the frontend successfully sends a request for adding a medication to the backend, the list of medications should have the new medication added in the database.
- Given that the medication is added successfully, the user should see the new medication in the medication list view.
- Given that the medication is added successfully, the medication should appear in the proper order in the medication list view.

User Story #8

As a user, I would like to be able to edit my medication list.

#	Description	Part	Time	Owner
1	Create medication list edit view and Swipe to delete	App	3 hrs	Devin
2	Implement medication delete in backend	Server	3 hrs	Andrew
3	Add test for medication delete in backend	Server	1 hr	Andrew
4	Add test for edit medication	App	1 hr	Devin

Acceptance Criteria:

- Given that the backend module for medication deletion is operational, the list of user medications in the database should have the requested medication deleted.
- Given that the swipe to delete function is implemented properly, the user should be able to delete a medication without going to the medication list edit view.
- Given that the medication list edit view performs correctly, the user should be able to delete a medication from the list.
- Given that the request for medication removal is sent successfully to the backend, the medication list should not display the removed medication.

User Story #9

As a user, I would like to select what sports leagues I participate in.

#	Description	Part	Time	Owner
1	Create sports leagues dropdown in register view	App	1 hrs	Devin
2	Add leagues to account in backend	Server	2 hrs	Devin
3	Add tests for adding league in backend	Server	1 hr	Devin

Acceptance Criteria:

- Given the dropdown menu of sports leagues creation is successful, the user should be able to select a sports league that the app will identify conflicts for the user.
- Given that adding leagues in backend is successful, the users sports league should be added to the database.
- Given that the league is assigned to a user's account, the account view should show the user's assigned league.

User Story #10

As a user, I would like to be able to logout of my MariGold account.

#	Description	Part	Time	Owner
1	Delete the JWT Token	App	2 hrs	Andrew
2	Empty local storage	App	2 hrs	Andrew
3	Add tests to ensure JWT token is destroyed	App	1 hr	Andrew

Acceptance Criteria:

- Given that the JWT Token is destroyed on the client, requests from the device should be rejected by the backend.
- Given that the user logs out, they should be taken back to the login screen.
- Given that local storage is cleared out, the JWT token should not be retrievable after logout.

Remaining Backlog (10 / 30 Stories Complete)

- ~~1. As a user, I would like to be able to register for a MariGold account.~~
- ~~2. As a user, I would like to be able to login and manage my MariGold account.~~
- ~~3. As a user, I would like to be able to logout of my MariGold account.~~
- ~~4. As a user, I would like to be able to delete my MariGold account.~~
- ~~5. As a user, I would like to be able to reset my password for my MariGold account.~~
- ~~6. As a user, I would like my information to be secure.~~
- ~~7. As a user, I would like to be able to manually add a medication to my medication list.~~
8. As a user, I would like to have MariGold scan in my medication via a photo of its label to my medication list.
- ~~9. As a user, I would like to see an overview of all of the medications I am taking.~~
10. As a user, I would like to be able to see detailed information about a particular medication.
11. As a user, I would like to be able to add a temporary medication to my medication list.
- ~~12. As a user, I would like to be able to edit my medication list.~~
13. As a user, I would like to edit the information about a specific medication.

14. As a user, I would like to be notified when to take a medication from the medication list.
15. As a user, I would like to be able to decide on what type of reminders I receive.
16. As a user, I would like to see when to take my medications in a calendar view.
17. As a user, I would like to be informed when my medications conflict.
18. As a user, I would like to be able to lookup information about medications.
19. As a user, I would like to add medication allergies to my account.
- ~~20. As a user, I would like to select what sports leagues I participate in.~~
21. As a user, I would like to be notified if the medication I'm taking are under the pretenses of the athletic organization I am a part of.
22. As a user, if I'm experiencing a medical symptom, I would like to have MariGold inform me if that symptom could be a side effect of one of my medications.
23. As a user, if I'm experiencing a medical symptom, I'd like to look up over-the-counter or prescription medications that could potentially help me.
24. As a user, I would like to be able to register my pharmacy so that I can have easy access to their information, for tasks like refilling.
25. As a user, I would like to have refill reminders.
26. If time allows, as a user, I would like to manage my account on a web browser.
27. If time allows, as a user, I would like to see my medications on a web browser.
28. If time allows, as a user, I would like to use Marigold from a wearable device.
29. If time allows, as a user, I would like to sign into Marigold with Google and Facebook.
30. If time allows, as a user, I would like to unlock the Marigold app with touch ID.