

Team 19 - Sprint #3 Planning Document:

Kushagra Kushagra, Kyle Ohanian,
Noah Smith, Peter Jones, Siddharth Shah

Sprint Overview

There are two primary goals for this sprint, implementing notifications and adding a payment platform. Both of these are extremely important for the functionality of the application. The notifications system will allow the application to alert the user to sensitive events such as friend requests, a bet ending, receiving a bet invitation, etc. All these events currently could go unnoticed when the user interacts with the app. The second piece, the payment platform, takes this application from a game to a much more meaningful platform. With payment implemented users can do more than just bet points, they can bet cash and can really make their bets mean something.

Scrum Master: Peter Jones

Meeting Schedule: Standups: (Wednesdays 4:30pm - 6:00pm, Saturdays 10:00am - 12:00pm)

Risks and Challenges

Security of the payment platform is the number one concern for this sprint. There need to be absolutely no vulnerabilities within the application as these could now lead to fraudulent charges on a user's account or worse. To circumvent these dangerous the payment platform will be built in a some form of a sandbox mode and the transactions will have to be kept securely. If these risks can be avoided then this will be a successful sprint.

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User Story #8

As a user, I would like to confirm the completion of bets

Task #	Description	Hours	Team	Owner
1	Write server "Confirm Bet" methods	3	BE	Noah
2	Create API endpoint for bet confirmations where required	3	BE	Noah
3	Add button to confirm bet completion	4	FE	Kyle
4	Create UI modifications for front end confirmation of bet	4	FE	Kyle
5	Write test cases for modules	1	BOTH	Noah

Acceptance Criteria

- Given that the user is able to complete the bet
- Give that the user, who has not created the bet is able to complete the bet
- Given that the user, who has created the bet can confirm completion of bet

User Story #12

As a user, I would like to cancel my open bets

Task #	Description	Hours	Team	Owner
1	Update server "Cancel Bets" method	3	BE	Noah
2	Update API endpoint for canceling bets	3	BE	Kush
3	Write server methods to cancel bets	3	BE	Noah
4	Adjust corresponding pages to not show canceled bet	2	FE	Kush
5	Write tests cases for modules	1	BOTH	Noah and Kush

Acceptance Criteria

- Given that the user can see a button to cancel a bet
- Given that the user can cancel the bet successfully
- Given that the user is not able to see canceled bet

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User Story #13

As a user, I would like to confirm the cancellation of a bet

Task #	Description	Hours	Team	Owner
1	Create API endpoint for cancelling bets	3	BE	Noah
2	Write server "Cancel Bet" method	3	BE	Kush
3	Add cancel button to required bets page	2	BE	Noah
4	Add UI modifications for Bet cancellation	2	FE	Kush
5	Write test cases for modules	3	BOTH	Noah and Kush

Acceptance Criteria

- Given that the user has a bet, the bet should be cancelable
- Given that the user wants to cancel the bet, other users involved must also be able to cancel the bet
- Given that the user and other involved users canceled the bet from their end, the bet must be confirmed completely canceled so they are not a part of the bet anymore

User Story #14

As a user, I would like to view friends' open bets

Task #	Description	Hours	Team	Owner
1	Create API endpoint for receiving user bets	1	BE	Noah
2	Write server "Get Friend Bets" method	2	BE	Noah
3	Add "View Bets" button in the profile page	2	FE	Peter
4	Add "Friend Bets" page to display bets	3	FE	Peter
5	Write unit test methods	2	BOTH	Noah

Acceptance Criteria

- Given that two users are friends, one user should be able to navigate to a list of open bets that their friend is a part of.
- Given that a user can see a friend list of open bets, they should see basic details of the bet.

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- Given that a user has no open bets, a friend of that user should be prompted accordingly when navigating to their friends list of open bets.

User Story #16

As a user, I would like to comment on friends' bets

Task #	Description	Hours	Team	Owner
1	Add "Comments" table to the database	2.5	BE	Noah
2	Create API endpoint for commenting	1	BE	Noah
3	Write server "Comment" method	2	BE	Noah
4	Add button to comment on bets	2	FE	Kyle
5	Add textbox for user comments	2	FE	Kyle
6	Add page to view bet comments	3	FE	Kyle
7	Write unit tests for modules	2	BOTH	Noah

Acceptance Criteria

- Given that two users are friends and one is viewing another's open bet, the user should be able to add a comment to the bet.
- Given that the user has added a comment to the bet, other users that are able to view the bet can see the comment.
- Given that the user has typed a comment longer than the allowed length, the comment will not be added, and the user will be prompted accordingly.

User Story #21

As a user, I would like to see my betting record

Task #	Description	Hours	Team	Owner
1	Write completed bet query methods for database	2	BE	Noah
2	Create API endpoint for getting a user's betting record	2	BE	Noah
3	Add textbox on the user's page to view betting record	2	FE	Kush

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6	Write unit tests for modules	2	BOTH	Kush
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Acceptance Criteria

- Given that a user has completed one or more bets, their betting record should be displayed on their profile page.
- Given that the user is a part of open bets, those bets should not be added to the betting record until complete.
- Given that the user is a part of expired bets, those bets should not be added to the betting record until complete.

User Story #23

As a user, I would like to view friends' past bets

Task #	Description	Hours	Team	Owner
1	Create endpoint to query friend's past bets	2	BE	Noah
2	Create querying methods to query the friend's past bets	3	BE	Noah
3	Create front-end activity to show bet details	3	FE	Peter
4	Create tests to check querying methods	3	BE	Peter
5	Create tests to check front-end activity loads	3	FE	Peter

Acceptance Criteria

- Given that the user navigates to their friends' profile, they should be able to see that friends' past bets.
- Given that the user navigates to their friends' profile, they should be able to click and see details about the bet.
- Given that the user navigates to their friends' profile, they should be able to scroll through their past bets.

User Story #24

As a user, I would like to report a technical issue

Task #	Description	Hours	Team	Owner
1	Create a front-end page for user to enter their	2	FE	Kush

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	grievances			
2	Create an endpoint to store user grievances.	2	BE	Peter
3	Create tests for backend to check if the info is correctly added to the database	2	BE	Peter

Acceptance Criteria

- Given that the user is a valid account on Betcha, on clicking the “report technical issue” action, they should be able to see a page to enter their grievances.
- Given that the user clicked on the “report technical issue”, they should be able to enter their grievances.
- Given that the user entered their grievances, they should be able to submit it to the team to look into the issue.

User Story #35

As a user, I would like to be notified when I receive a friend request

Task #	Description	Hours	Team	Owner
1	Create transaction that will be executed whenever a certain user is sent a friend request	3	BE	Peter
2	Create a front end UI tab that will show basic information about who sent the friend request	3	FE	Peter

Acceptance Criteria

- Given that the user has been sent a friend request, the user should be able to see a notification in the notifications tab of the application.
- Given that the user is on the app, if they are sent a friend request, a popup will show information about the friend request.

User Story #36

As a user, I would like to be notified when I receive a bet request

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Task #	Description	Hours	Team	Owner
1	Create transaction that will be executed whenever a certain user is sent a bet invite	3	BE	Peter
2	Create a front end UI tab that will show basic information about the bet sent to the user	3	FE	Peter

Acceptance Criteria

- Given that the user has been sent a bet invite, the user should be able to see a notification in the notifications tab of the application.
- Given that the user is on the app, if they are sent a bet invite, a popup will show information about the bet invite.

User Story #37

As a user, I would like to be notified when a bet I'm in is completed

Task #	Description	Hours	Team	Owner
1	Create transaction that will be executed whenever a certain bet is completed that the user is in.	3	BE	Peter
2	Create a front end UI tab that will show basic information about the bet that has been completed.	3	FE	Peter

Acceptance Criteria

- Given that the user is part of a bet that has just completed, the user should be able to see a notification in the notifications tab of the application.
- Given that the user is on the app, if a bet that they are in is completed, a popup will show information about the completed bet.

User Story #38

As a user, I would like to see when a bet was created

Task #	Description	Hours	Team	Owner
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1	Add timestamps to Bet model on the server	3	BE	Noah
2	Refactor feeds to return Bets with timestamps on the server	2	BE	Noah
3	Add timestamps to Bet model on the frontend	2	FE	Kyle
4	Refactor feeds to show when the bet was created	2	FE	Kyle
5	Include timestamp on BetDetail Activity	1	FE	Kyle
6	Write test cases based on acceptance criteria	1	BOTH	Noah

Acceptance Criteria

- Given that a user has created a bet, the time it was created should be held in the database.
- Given that the user is looking at the individual bet view, the time created should be shown.
- Given that the user is on one of the feeds, the time since the bet was created should be displayed.

User Story #39

As a user, I would like to put money into my Betcha account

Task #	Description	Hours	Team	Owner
1	Integrate Stripe into the application for incoming transactions	4	BE	Sidd
2	Create the necessary activities to deposit money into a betcha account	4	BE	Kyle
3	Update profiles with account information	2	BE	Kyle + Sidd
4	Write test cases for modules	1	BOTH	Sidd

Acceptance Criteria

- Given that the user has money to deposit into their betcha account, they should be able to add money to their account.
- Given that the user has completed a transaction to put money into their betcha account, their balance should reflect it.
- Given that the user has completed a transaction to deposit money into their betcha account, it should be recorded.

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User Story #40

As a user, I would like to get money out of my Betcha account

Task #	Description	Hours	Team	Owner
1	Integrate Plaid into the application for outgoing transactions	4	BE	Sidd
2	Create the necessary activities for taking money out of a betcha account	4	BE	Kyle
3	Write test cases for modules	1	BOTH	Sidd

Acceptance Criteria

- Given that the user has a balance greater than 0, they should be able to remove money from their betcha account.
- Given that the user has removed money from their betcha account, their new balance should reflect the transaction.
- Given that the user has removed money from their betcha account, the transaction should be recorded.

User Story #41

As a user, I would like to have money transferred with bet results

Task #	Description	Hours	Team	Owner
1	Integrate Ethereum to hold internal monetary transactions.	6	BE	Sidd
2	Refactor complete bet endpoint to include transactions	2	BE	Sidd
3	Write test cases for modules	1	BOTH	Sidd

Acceptance Criteria

- Given that a bet has been completed, a transaction should occur with Ethereum
- Given that a user has won a bet, they should have more money in their betcha account
- Given that a user has lost a bet, they should have money removed from their betcha account.

Remaining Backlog

1. As a user, I would like to login to my account with Google
2. As a user, I would like to create an account with Google
3. As a user, I would like to delete my account
4. As a user, I would like to create custom bets
5. As a user, I would like to send bet to friend
6. As a user, I would like to receive bets from friends
7. As a user, I would like to accept bets
8. As a user, I would like to confirm the completion of bets
9. ~~As a user, I would like to fulfill bets using a payment API~~
10. As a user, I would like to view my open bets
11. As a user, I would like to edit my open bets
12. As a user, I would like to cancel my open bets
13. As a user, I would like to confirm the cancellation of a bet
14. As a user, I would like to view friends' open bets
15. As a user, I would like to like friends' bets
16. As a user, I would like to comment on friends' bets
17. As a user, I would like to add friends
18. As a user, I would like to remove friends
19. As a user, I would like to view a feed of bets
20. As a user, I would like to see past bets
21. As a user, I would like to see my betting record
22. ~~As a user, I would like to be reminded of bets near the end of their term~~
23. As a user, I would like to view friends' past bets
24. As a user, I would like to report a technical issue
25. As a user, I would like to join friends' bets
26. As a user, I would like to create groups
27. As a user, I would like to create group bets
28. As a user, I would like to change my password
29. As a user, I would like to change my email
30. As a user, I would like to have my email confirmed
31. As a user, I would like the application to have a consistent flow
32. As a user, I would like to have a point balance
33. As a user, I would like to gain points from winning a bet
34. As a user, I would like to lose points from losing a bet
35. As a user, I would like to be notified when I receive a friend request



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- 36. As a user, I would like to be notified when I receive a bet request
- 37. As a user, I would like to be notified when a bet I'm in is completed
- 38. As a user, I would like to see when a bet was created
- 39. As a user, I would like to put money into my Betcha account
- 40. As a user, I would like to get money out of my Betcha account
- 41. As a user, I would like to have money transferred with bet results