

Team 19 - Sprint #2 Planning Document:

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

Sprint Overview

The primary goal for the second sprint is to implement the transactional component of the bets. From sending to accepting bets, it is crucial for the application that users be able to send and respond in different ways to custom bets. For this to be completed pages will need to be added to the Android client like pending bets and respond to bet. Additionally, on the backend, there will need to be endpoints to access the database to designate bets as accepted, completed, pending, etc. Additionally, the ability to like bets will be implemented in this sprint. This will simply add to the social aspect of the app and be built on a new table in the database linked to bets. Finally, there will be some part of the sprint dedicated to refactoring and cleaning up code from Sprint #1.

Scrum Master: Peter Jones

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

Risks and Challenges

The greatest risk in the second sprint is in deciding what components of Sprint #1 need to be refactored and which ones should be redone completely. Overall, this shouldn't be too difficult. However with the need to rethink some components due to the unforeseen event that the Venmo API was closed to new developers, there is some variance from the original plan that will need to be accounted for.

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User Story #5

As a user, I would like to send bets to friends

Task #	Description	Hours	Team	Owner
1	Update structure of "Users in bets" database table	3	BE	Noah
2	Write server "Add User To Bet" methods	3	BE	Noah
3	Create API endpoint for bet invitations	3	BE	Noah
4	Add invitation menu to the "Create bet" page	4	FE	Kyle
5	Add invitation menu to the "Edit bet" page	4	FE	Kyle
6	Write unit tests for modules	1	BOTH	Noah

Acceptance Criteria

- Given that the user is creating a bet, the user should be able to add people to the bet in the form of a request during the bet creation.
- Give that the user is editing a bet, the user should be able add more people to the bet in the form of a request.
- Given that the bet has the max number of users, the creating user will not be able to add more users.

User Story #6

As a user, I would like to receive bets from friends

Task #	Description	Hours	Team	Owner
1	Update server "View Bets" method	3	BE	Noah
2	Update API endpoint for viewing bets	3	BE	Noah
3	Write server "Update User Invites" methods	3	BE	Noah
4	Adjust "View Bets" page to show bet invitations	2	FE	Kyle
5	Write unit tests for modules	1	BOTH	Kyle

Acceptance Criteria

- Given that the user has been invited to a bet, their view bets page should display bets they have been invited too.

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- Given that the user selects a bet they have been invited too, they should be prompted with the option to accept or decline the bet.
- Given that the user has been invited to a bet, the invitation should expire once the bet is closed or over.

User Story #7

As a user, I would like to accept bets

Task #	Description	Hours	Team	Owner
1	Create API endpoint for accepting bets	3	BE	Noah
2	Write server "Accept Bet" method	3	BE	Noah
3	Add accept button to "View Bets" page	2	BE	Noah
4	Add select side buttons to "Bets" page	2	FE	Kyle
5	Write unit tests for modules	3	BOTH	Noah/Kyle

Acceptance Criteria

- Given that the user has received a request to join the bet, the user should be able to click on the bet and see the view page, and accept the bet
- Given that the user has accepted the bet, the user should be able to go to their list of open bets and see that their accepted bet is there, and that they are a bettor in the bet.
- Given that the user has enough "currency" to accept the bet, the user will be allowed to accept the bet. If the user does NOT has enough currency, then the accept button should be disabled.

User Story #15

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

Task #	Description	Hours	Team	Owner
1	Create "Likes" table in server database	2	BE	Peter
2	Write database connection methods for server	2	BE	Peter
3	Write bet like query methods	3	BE	Peter
4	Create API endpoint for liking a bet	1	BE	Peter

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5	Refactor bet queries to include likes on feeds	2	BE	Peter
6	Add like button to bets in feeds	1	FE	Peter
7	Add graphic of likes to bets	1	FE	Peter
8	Write unit tests for modules	1	BOTH	Peter

Acceptance Criteria

- Given that the user can view a bet, they can see a button to like the bet
- Given that the user has pressed the like button, the number of likes indicated on the bet in the feed will increase reflecting this change
- Given that the user has liked the bet, they will no longer be able to like the bet again

User Story #25

As a user, I would like to join friends' bets

Task #	Description	Hours	Team	Owner
1	Write bet join query methods	3	BE	Peter
2	Create API endpoint for joining a bet	1	BE	Peter
3	Refactor bet queries to show users in the bet	2	BE	Peter
4	Add join button to bets in feeds	1	FE	Peter
5	Add graphic of users in bet to bets	1	FE	Peter
6	Write unit tests for modules	1	BOTH	Peter

Acceptance Criteria

- Given that the user can view a bet, they can see a button to join the bet
- Given that the user has pressed the join button, it should be indicated on the bet that the user is in the bet.
- Given that the user has pressed the join button, that bet should populate in that users' personal feed.

User Story #25

As a user, I would like to create group bets

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Task #	Description	Hours	Team	Owner
1	Write group bet query methods into database	3	BE	Peter
2	Create API endpoint for inviting multiple users to a bet	1	BE	Peter
3	Refactor bet queries to show users in the bet	2	BE	Peter
4	Add multiple user invite button to bet creation page	1	FE	Peter
5	Add graphic of users in bet to bets	1	FE	Peter
6	Write unit tests for modules	1	BOTH	Peter

Acceptance Criteria

- Given that a user can create a bet, they can select to send it to multiple users
- Given that the user has created a group bet, every member of the group should receive an invitation
- Given that a group bet has been completed, the bet amount should be split between the users accurately.

User Story #11

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

Task #	Description	Hours	Team	Owner
1	Write bet edit query methods into database	3	BE	Kush
2	Create API endpoint for editing bets in database	2	BE	Kush
3	Refactor bet queries to modify bets	2	BE	Kush
4	Add Button to edit the bet	2	FE	Kush
5	API request to edit the bet	1	FE	Kush
6	Write unit tests for modules	1	BOTH	Kush

Acceptance Criteria

- Given the user has created the bet, the user has the button to edit the bet
- Given the user has edited the bet, the changes to the bet should be reflected on the feed on which the bet was.
- The user should be able to edit all features that they were allowed to customize when they first created the bet.

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User Story #31

As a user, I would like the application to have a consistent user flow

Task #	Description	Hours	Team	Owner
1	Create a material design insert form for bets	3	FE	Kyle
2	Create a better looking view bets page	3	FE	Kyle
3	Create API endpoint for getting user id and email	2	BE	Noah
4	Create Tab layout for Friends and Friend Requests	5	FE	Kyle
5	Create Tab layout for Open bets, past bets, and bet invites	5	FE	Kyle

Acceptance Criteria

- Given that a user goes to the friends view through the navigation, a tab layout should be shown to let them toggle through friends and friend requests.
- Given that a user clicks on a bet, a view page displaying information about the bet should be shown with a good look and feel.
- Given that a user wants to create a bet, a very sound insert form will appear with the information needed to create a bet.
- Given that a user goes to the bets view in the navigation, a tab layout will appear that will allow them to toggle through past bets, open bets, and bet invites.

User Story #32

As a user, I would like to have a point balance

Task #	Description	Hours	Team	Owner
1	Update the models to add a new table for Points	2	BE	Sidd
2	Create endpoint for fetching points of given user	2	BE	Sidd
3	Create back-end logic to do the actual querying for the user's point balance	2	FE	Sidd

Acceptance Criteria

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- Given that user has a valid account with Betcha, a valid point balance has to exist for them to make or participate in bets.
- Given that the user has a valid account with Betcha, their point balance can be shown accessed by the app to be shown to them at appropriate places.
- Given that the user has a valid account with Betcha, all completions of their bets should have correct reflection of updated point balances.

User Story #33

As a user, I would like to gain points from winning a bet

Task #	Description	Hours	Team	Owner
1	Create endpoint for doing the transactional math for target users of a linked bet	2	BE	Sidd
2	Create actual back-end logic to perform correct arithmetic in every participating user's account for completed and ongoing bets.	4	BE	Sidd

Acceptance Criteria

- Given that the user has a valid account with Betcha, when they win a bet, corresponding share from the pot should be added to their point balance.
- Given that the user has a valid account with Betcha, updated points should be reflected at appropriate places in the app to be accessed further.
- This update to the point balance has to be persist via a correct database update.

User Story #34

As a user, I would like to lose points from losing a bet

Task #	Description	Hours	Team	Owner
1	Write bet query to deduct points from user in database	3	BE	Kush
2	Create API endpoint for deducting bet points	2	BE	Kush

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3	Refactor bet queries to deduct points from user after losing a bet	2	BE	Kush
4	API request for point deduction after lost bet has been completed	2	FE	Kush
5	Graphic to show number of points left	1	FE	Kush
6	Write unit tests for modules	1	BOTH	Kush

Acceptance Criteria

- Given that the user loses a bet, the user loses points
- Given that the user has lost points, it should be reflected in their balance
- Given that the user has lost the bet, it should be recorded

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

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- 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