



Prototype of Bracketor for Challonge Mobile App

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Use Scenario 1: Creating a Tournament



A lot of tennis players are hanging out at the local courts



Players check the bracket



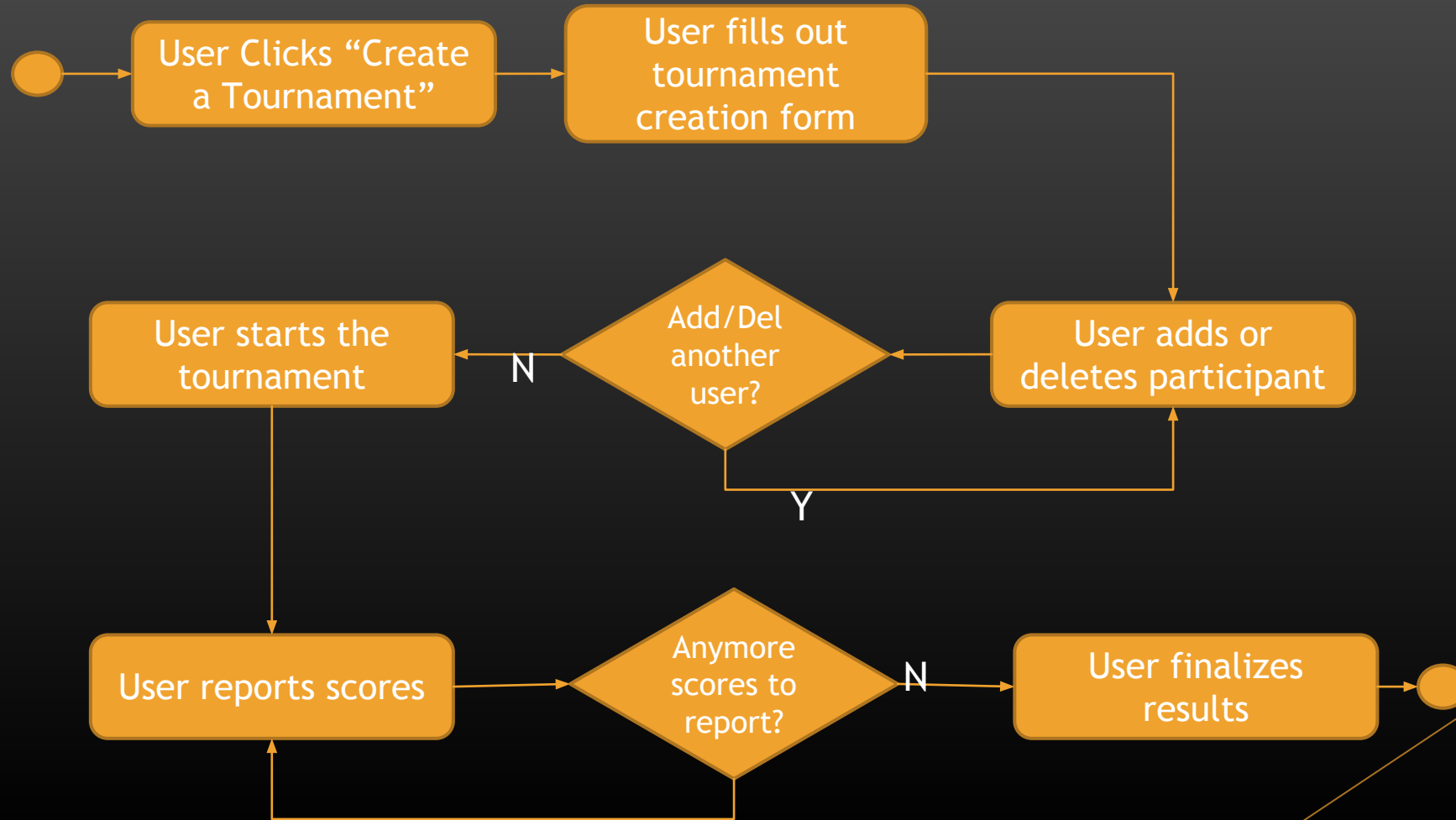
Someone decides they want to start a tournament and creates a bracket



Players play their matches



Task Analysis: Creating a Tournament



Task Analysis: Creating a Tournament



Step Name	Step No.	Step Location	Action Destination
Click Create a Tournament	1	Desktop	Creation_Form_Hidden
Enter Name into field	2.0	Creation_Form_Hidden	
Enter Type into field	2.1	Creation_Form_Hidden	
Enter URL into field	2.2	Creation_Form_Hidden	
Click Create Tournament	2.3	Creation_Form_Hidden	Creation_Form_Confirmation
Click Open on dialogue box	2.4	Creation_Form_Confirmation	Tournament_Menu_Info
Click participants tab	3.0	Tournament_Menu_Info	Tournament_Menu_Participants
Click bulk add participant	3.1	Tournament_Menu_Participants	Tournament_Menu_Participants_Add
Enter participant names (separated by return)	3.2	Tournament_Menu_Participants_Add	
Click Add	3.3	Tournament_Menu_Participants_Add	Tournament_Menu_Participants_Finished
Click Tournament State tab **New**	4.0	Tournament_Menu_Participants_Finished	Tournament_Menu_Status
Click start tournament	4.1	Tournament_Menu_Status	Tournament_Menu_Status_Start
Click Save	4.2	Tournament_Menu_Status_Start	Tournament_Menu_Bracket_Started



Task Analysis: Creating a Tournament



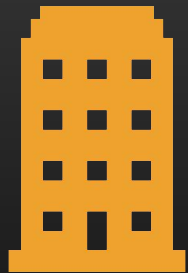
Step Name	Step No.	Step Location	Action Destination
Click Bracket tab	5.0	Anywhere	Tournament_Menu_Bracket_Started
Click on a match	5.1	Tournament_Menu_Bracket_Started(x)	Tournament_Menu_Bracket_Started_Match(x)
Click '+' to increment score (repeat)	5.2	Tournament_Menu_Bracket_Started_Match(x)	
Click on a winner	5.3	Tournament_Menu_Bracket_Started_Match(x)	Tournament_Menu_Bracket_Started_Match(x)_Score
Click save	5.4	Tournament_Menu_Bracket_Started_Match(x)_Score	
Repeat steps 6.1-6.4 as needed	5.5	Tournament_Menu_Bracket_Started(x)	Tournament_Menu_Bracket_Started_Match(x)
Tournament State tab **New**	6.0		Tournament_Menu_Status_Start2
Click finalize tournament	6.1	Tournament_Menu_Status_Start2	Tournament_Menu_Status_Finalize
Click save	6.2	Tournament_Menu_Status_Finalize	



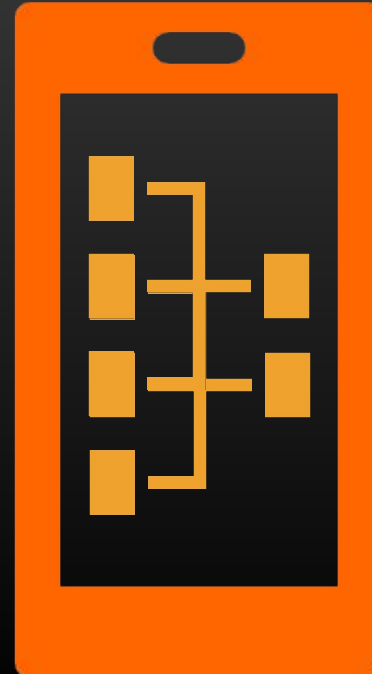
Use Scenario 2: Viewing a Tournament



Someone hears about the tournament from Use Scenario 1 but are stuck at work



They see how the bracket is progressing



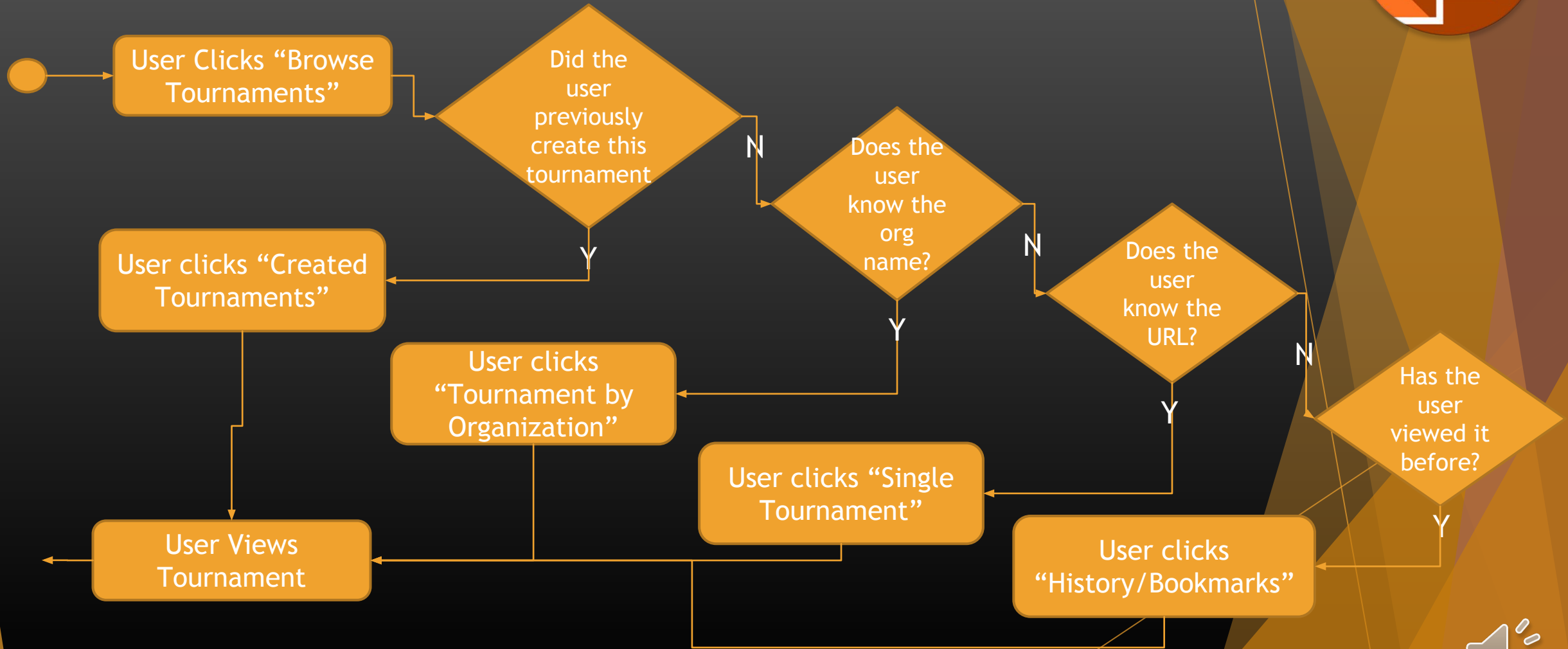
During a break in a meeting they look up the bracket on their mobile android device



They daydream about how the matches would go



Task Analysis: Viewing a Tournament



Task Analysis: Viewing a Tournament



Step Name	Step No.	Step Location	Action Destination
Click Browse tournaments	1.0	Desktop	Browse
Click Created Tournaments	2.0	Browse	Browse_Created
Click get tournaments	2.1	Browse_Created	Browse_Created_Tournament
Click tournament Dropdown	2.2	Browse_Created_Tournament	Browse_Created_Tournament_View
Click view tournament	2.3	Browse_Created_Tournament_View	Tournament_Menu_Info

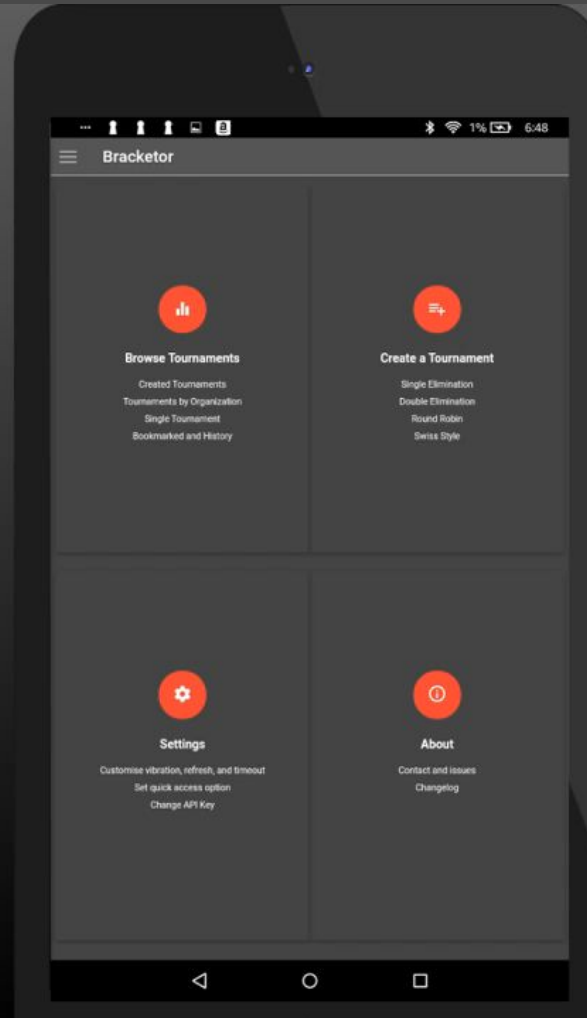


Usability Problems

- ▶ Familiarity: Tournament Edit Mode
 - ▶ Test users had difficulty knowing what to do once the tournament was created
 - ▶ Test users felt that the tournament should be editable as soon as you create it
 - ▶ Changed the tournament to be in edit mode after it is created
- ▶ Familiarity: Tournament State
 - ▶ Test users could not figure out that they needed to change the state of the tournament to start before entering results
 - ▶ All users knew was that they were doing something wrong because they could not proceed with entering results
 - ▶ This is easily the biggest issue with usability
 - ▶ Changed the tournament state field to be a tab at the top so that it cannot be missed
- ▶ Familiarity: Score Reporting
 - ▶ Test users took multiple tries to properly report a score
 - ▶ Text highlights when clicked denoting match winner
 - ▶ Changed the users name to be a button that looks like the winner needs to be clicked
- ▶ Visibility: Creation Form
 - ▶ Test users said the Required field icon is not clearly visible
 - ▶ Scrolls down for more fields
 - ▶ Large wall of fields overwhelmed the test users causing them to miss required fields
 - ▶ Test users ignored most fields anyways
 - ▶ Initial creation form changed to only show necessary fields with a toggle for optional fields

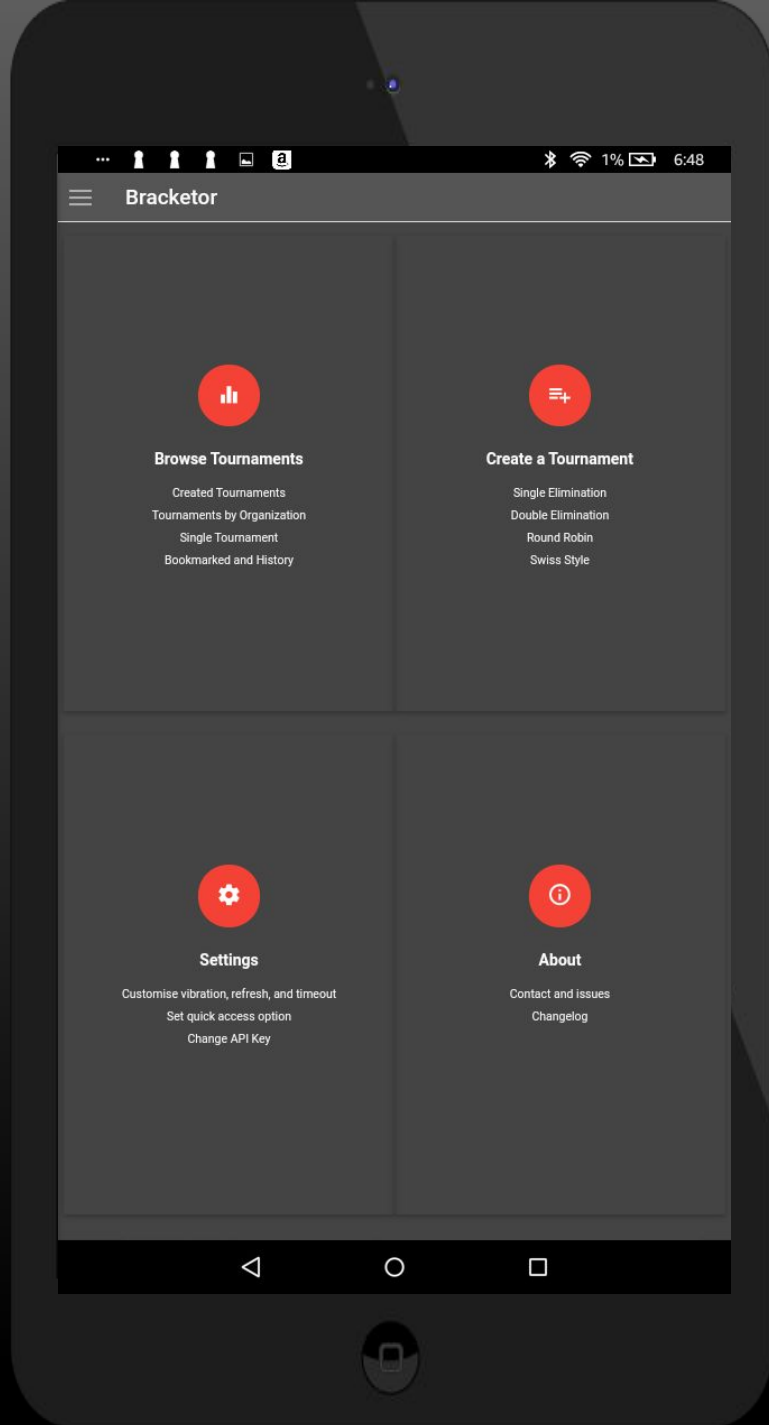


Prototype



Skip

Skip
Prototype



Skip
Prototype



... [Download] [Share] [Alert] [Bluetooth] [Wi-Fi] [1%] [6:51]

← Create Tournament

▲ Tournament Name
Max: 60 Characters
Name
Prototype1-rich

▲ Tournament Type
 Single Elimination
 Double Elimination
 Round Robin
 Swiss Style

▲ URL: challenge.com/Prototyoe1rich11111111
Letters, numbers, and underscores only.
URL
Prototyoe1rich11111111

Show optional fields

CREATE TOURNAMENT



... [Download] [Share] [Alert] [Bluetooth] [Wi-Fi] [1%] [Battery] [6:52]

← Create Tournament

Letters, numbers, and underscores only.

URL
Prototyoe1rich11111111

Organization: {organization}.challonge.com
Requires write access to the specified organization.

Organization/Subdomain

Description
Description/instructions to be displayed with the bracket. Can contain HTML.

Description

Host Sign Up
Have Challenge host a sign up page? Otherwise you manually add all participants

Host Sign Up?

Make Private
Hide this tournament from the public browsable index and your profile.

Make Private?

Sign Up Cap
Maximum number of participants in the bracket. 0 or blank is no cap.

Cap

Hold 3rd Place Match?
Single Elimination only. Include a match between semifinal losers?

Hold 3rd Place Match?

Hide optional fields

CREATE TOURNAMENT

_Hidden

Confirmation



Android status bar: 6:52, 1% battery, Wi-Fi, Bluetooth, and notification icons.

Create Tournament

Letters, numbers, and underscores only.

URL
Prototyoe1rich11111111

Organization: {organization}.challonge.com
Requires write access to the specified organization.

Organization/Subdomain

Description
Description/instru

Description

Host Sign Up
Have Challenge ho

Make Private
Hide this tournam

Sign Up Cap
Maximum number of participants in the bracket. 0 or blank is no cap.

Cap

Hold 3rd Place Match?
Single Elimination only. Include a match between semifinal losers?

Hold 3rd Place Match?

Buttons: Hide optional fields, CREATE TOURNAMENT

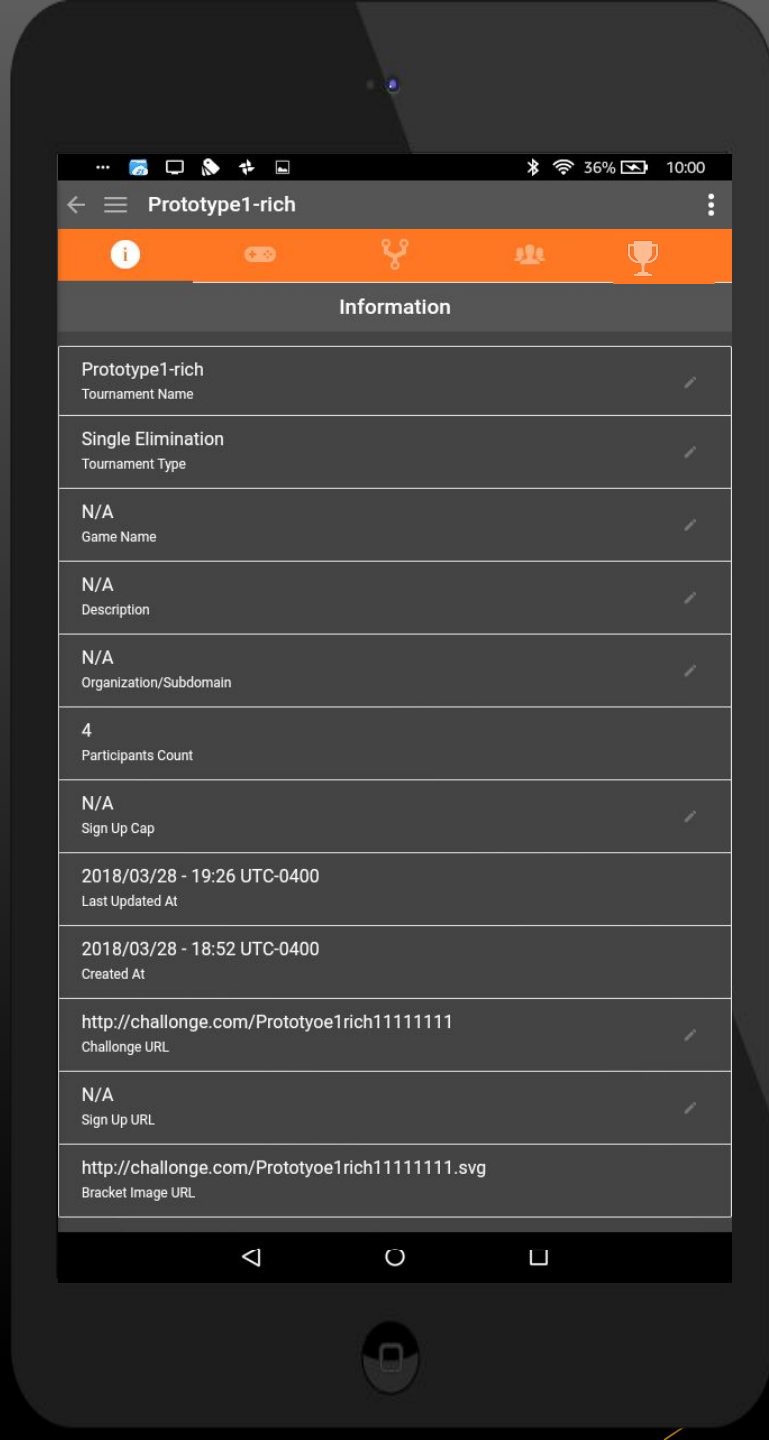
New Tournament

Tournament successfully created. Copy the url from the input below, or open the tournament by clicking 'Open'.

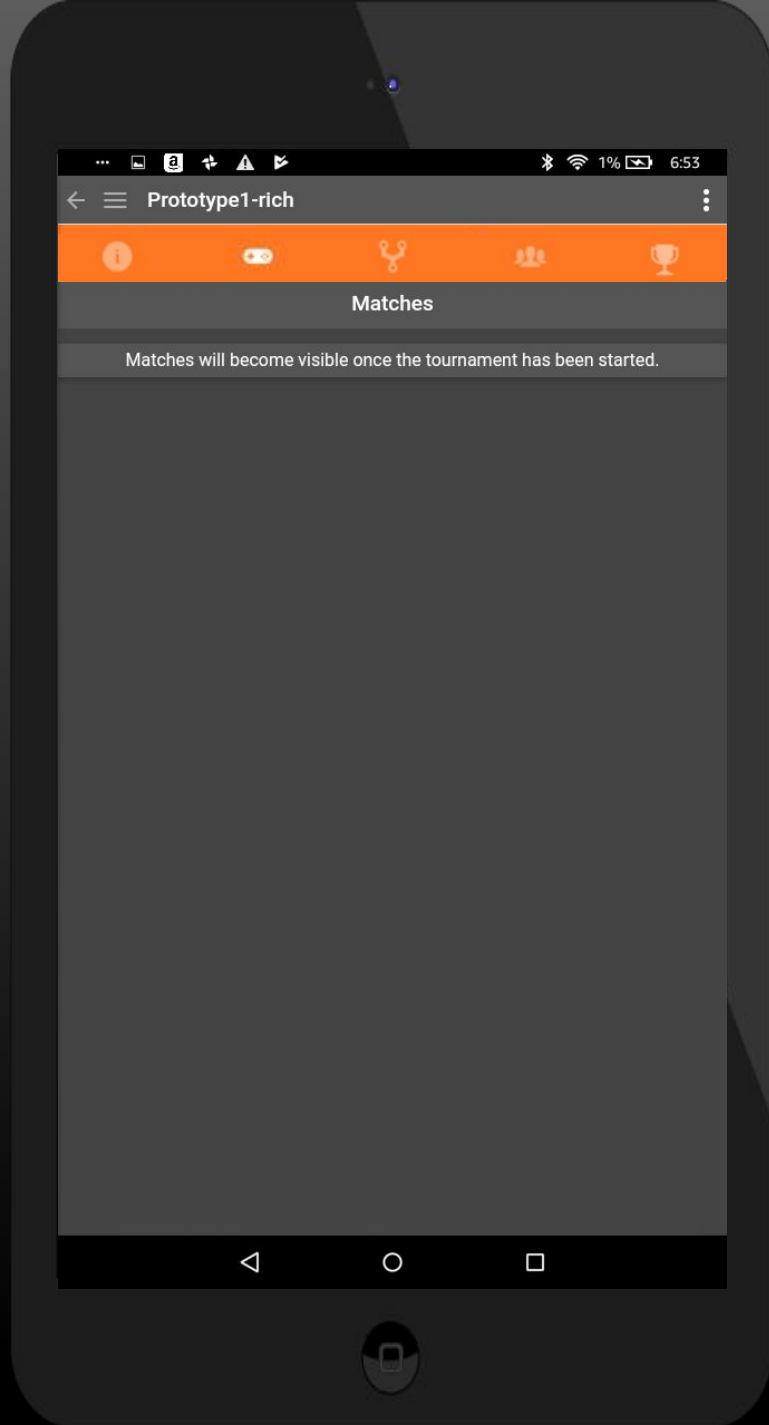
<http://challonge.com/Prototyoe1rich>

Close Open

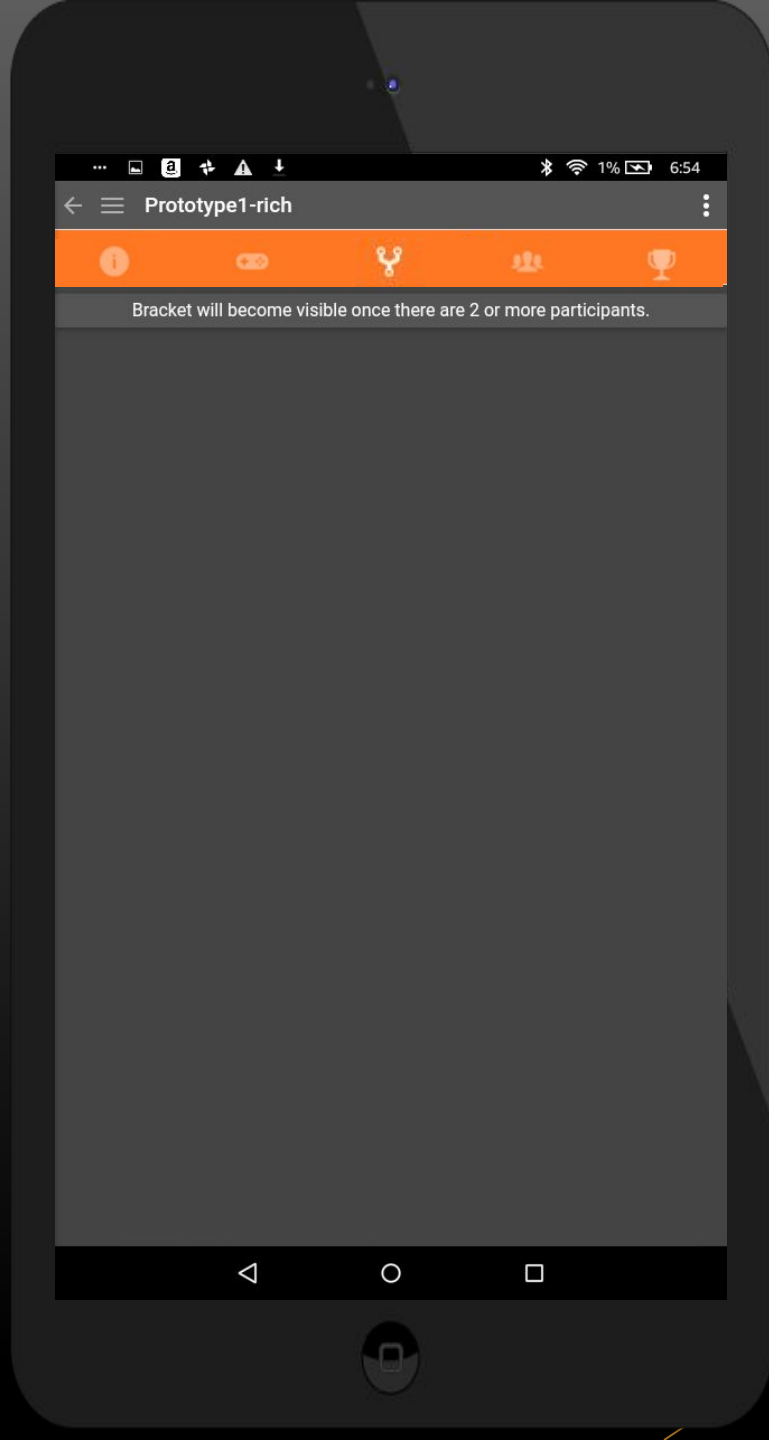
Challenge
_Info



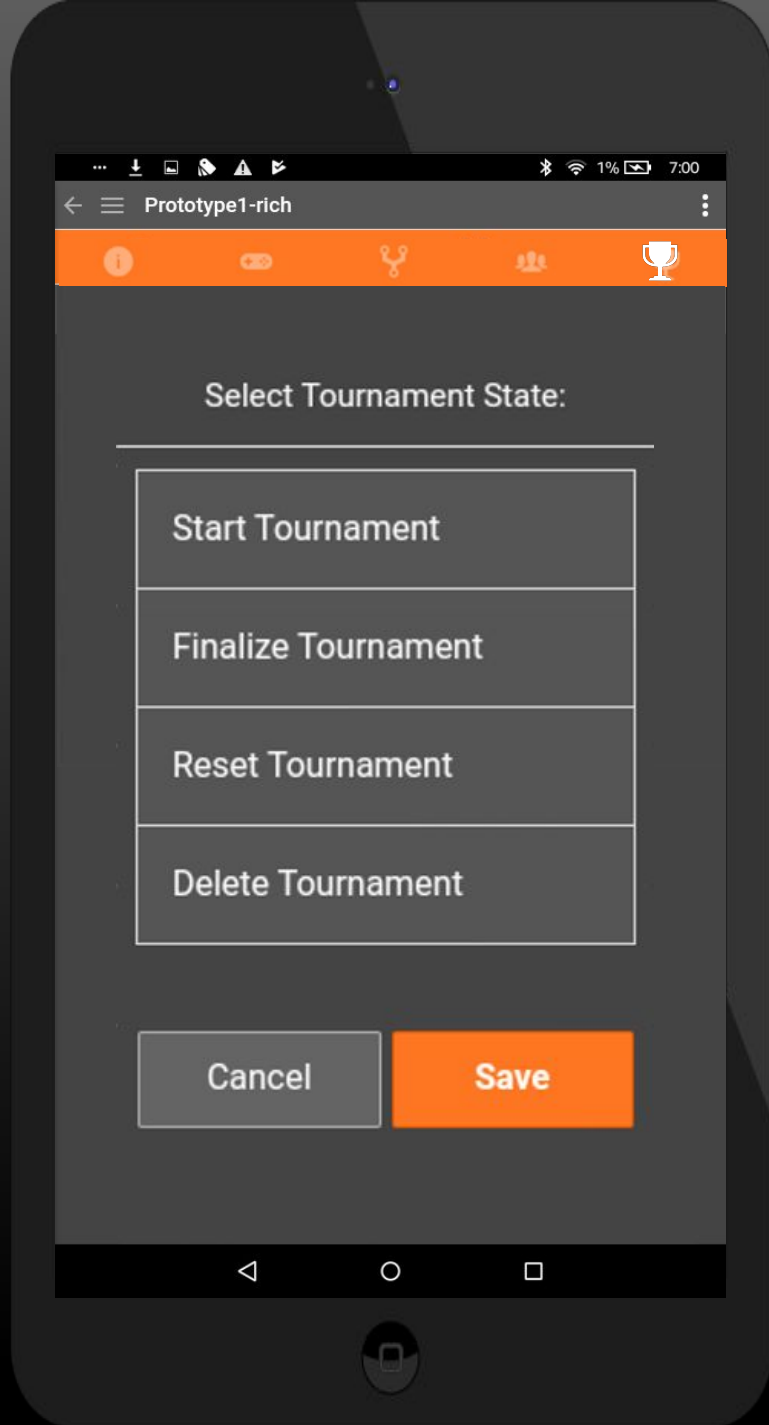
tournament_menu
_Matches



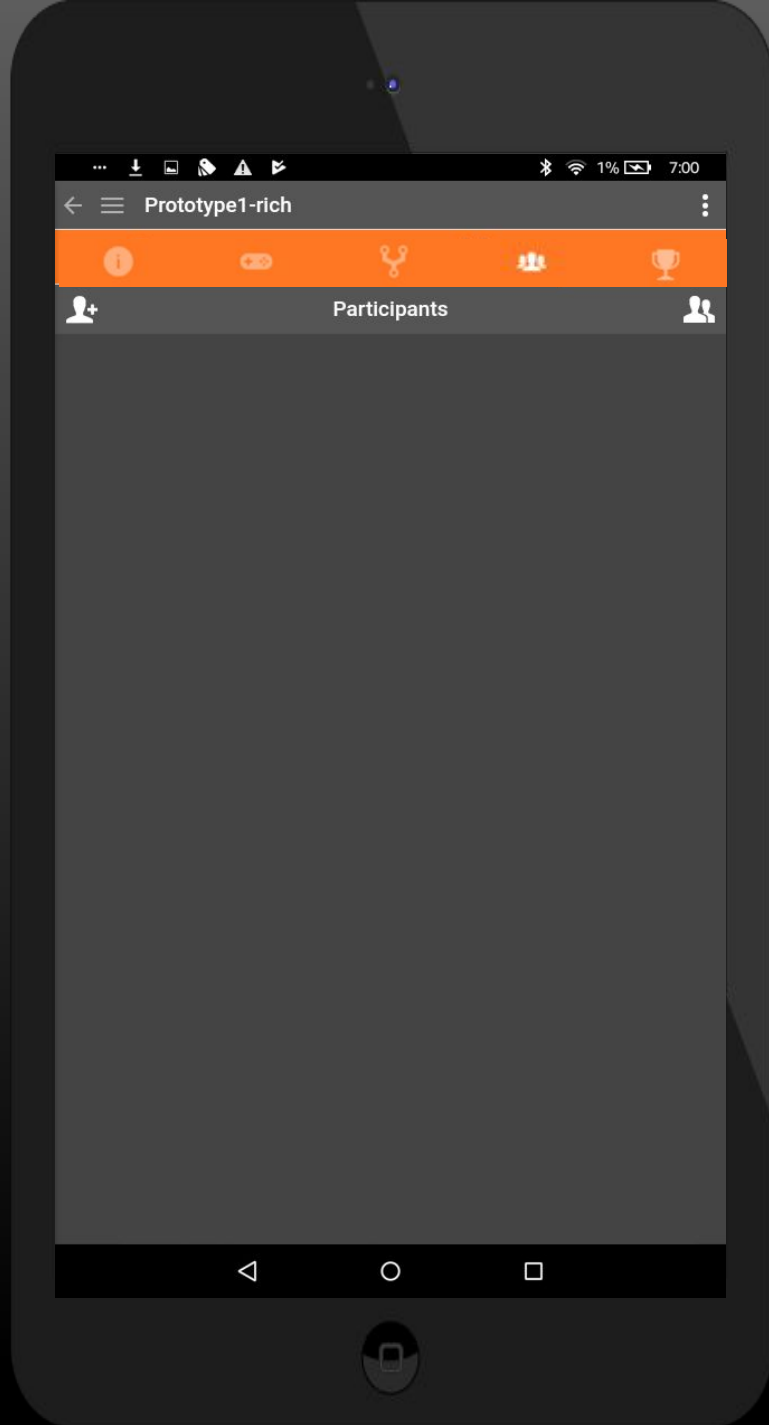
ournament_menu _Bracket



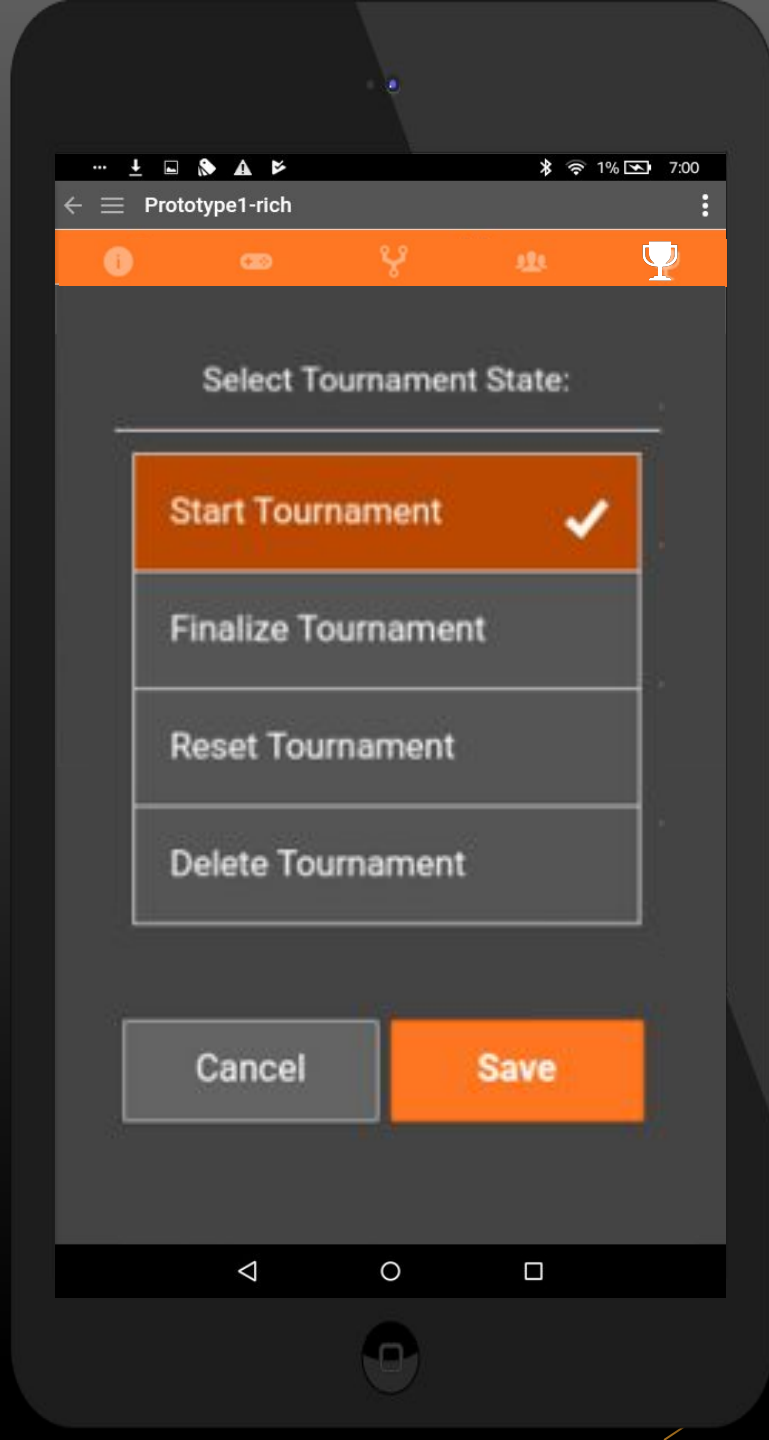
Current Menu
_Status

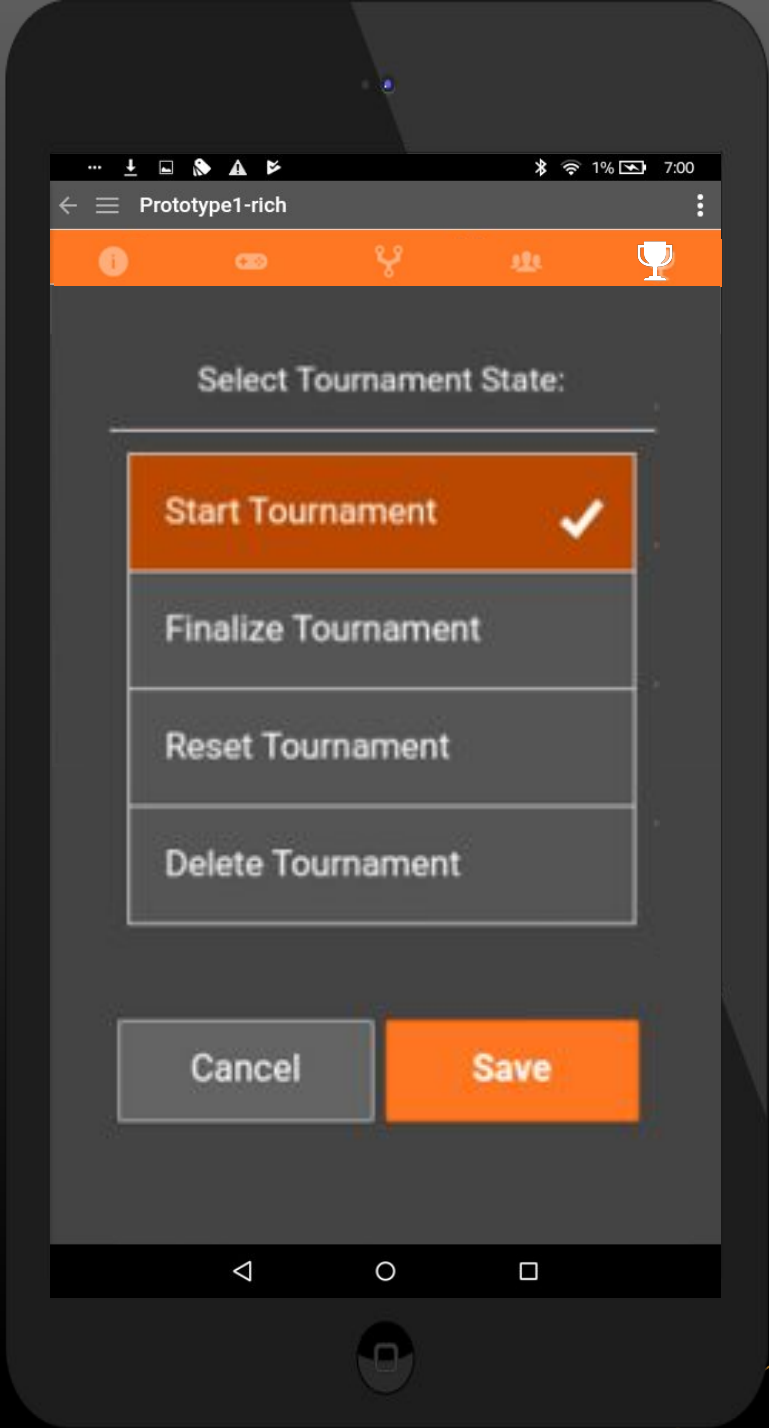


Participant Menu
_Participants

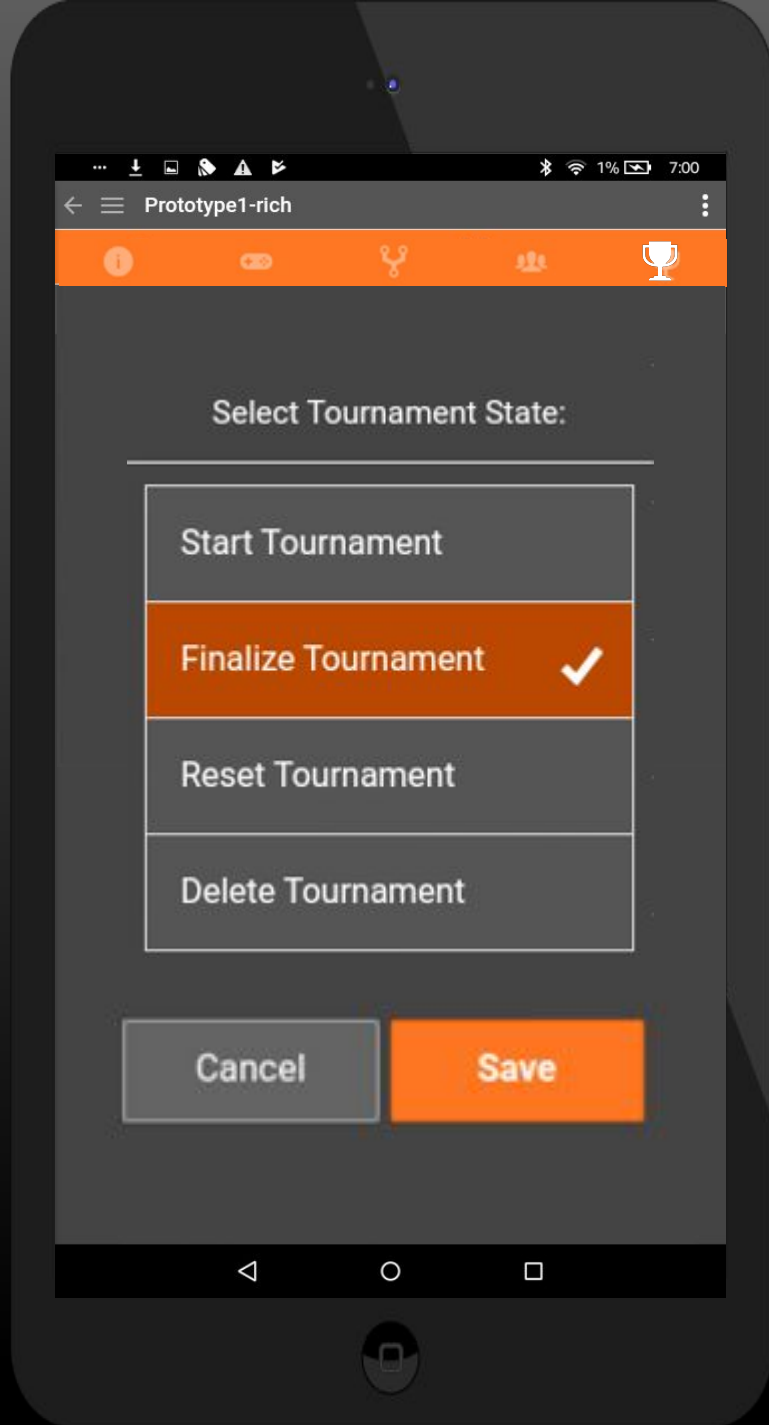


Tournament_menu
_Status_Start



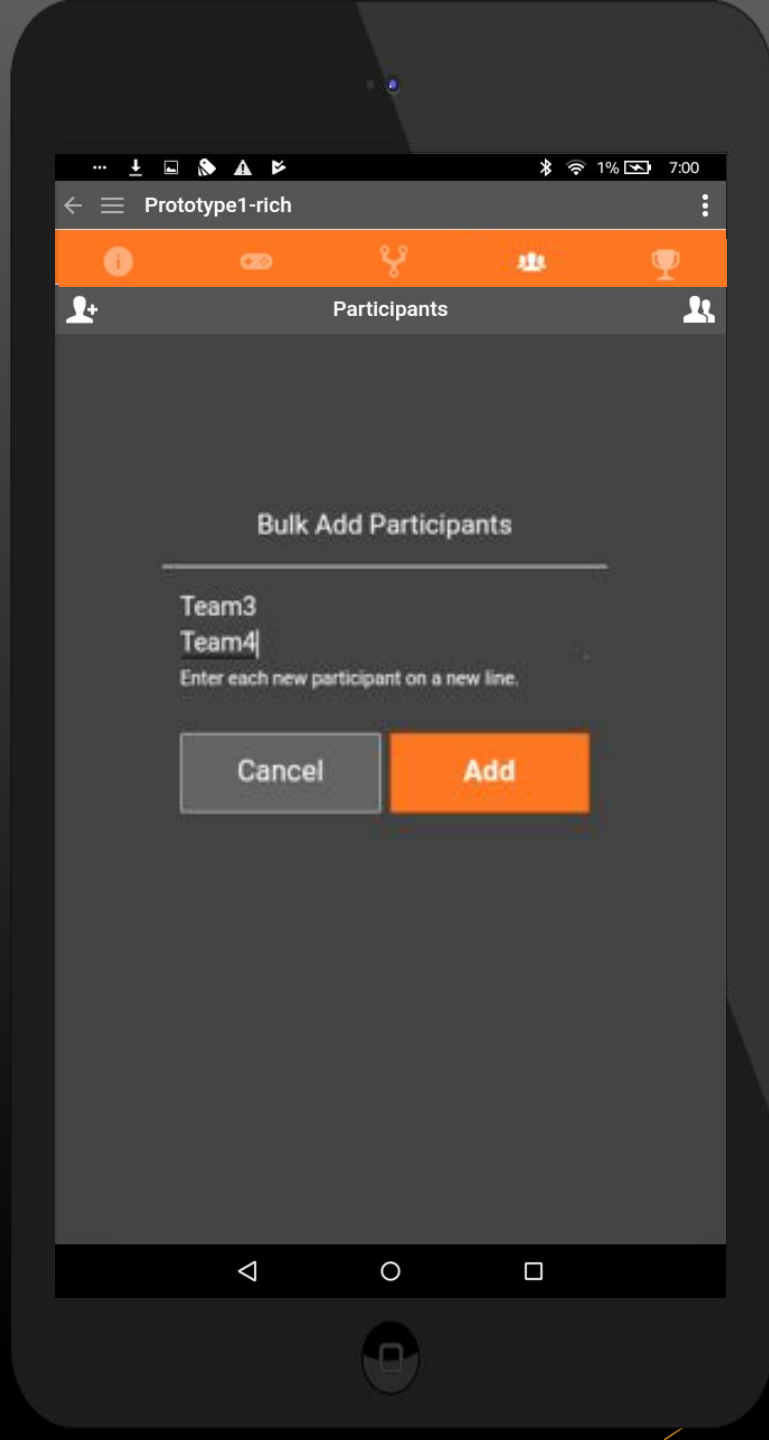


Tournament_menu
_Status_Start2

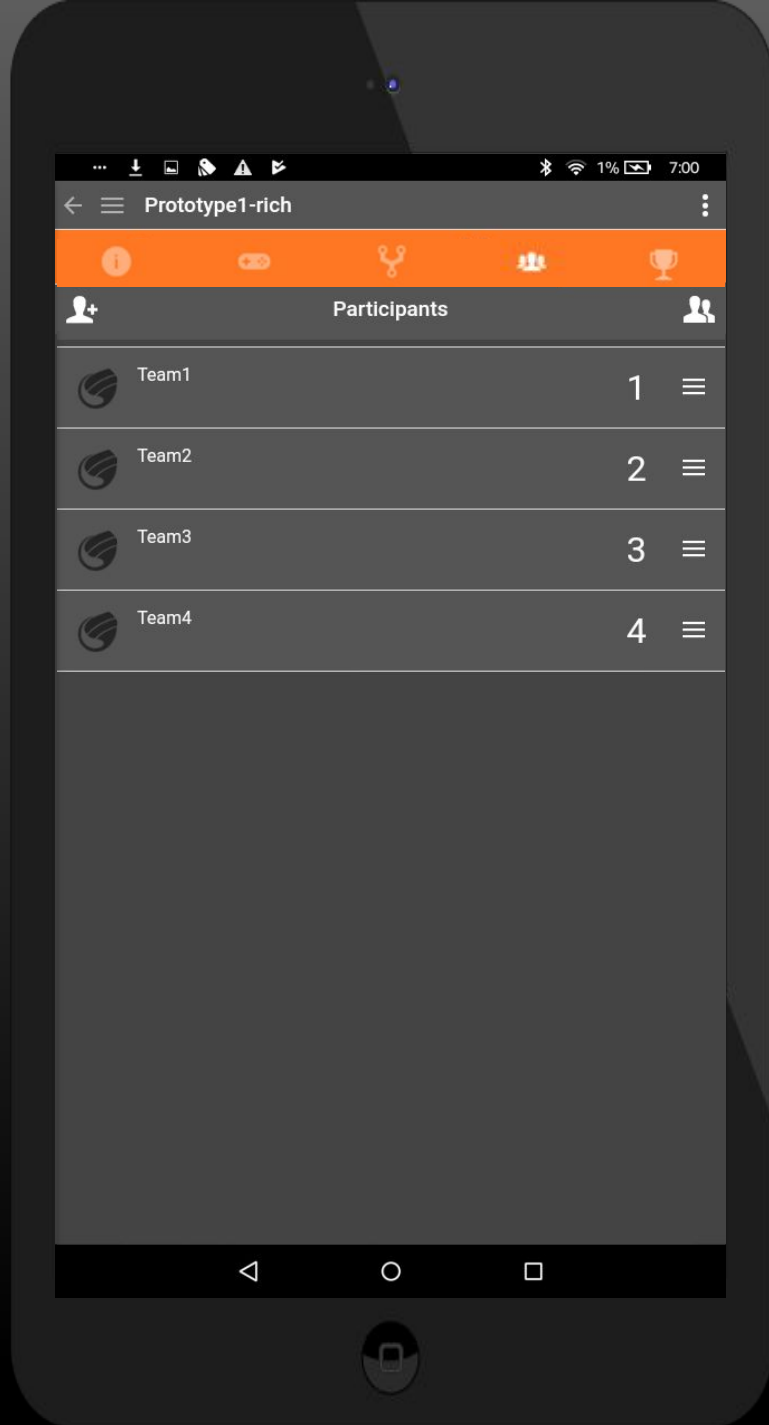


ournament_menu
_Status_Finalize

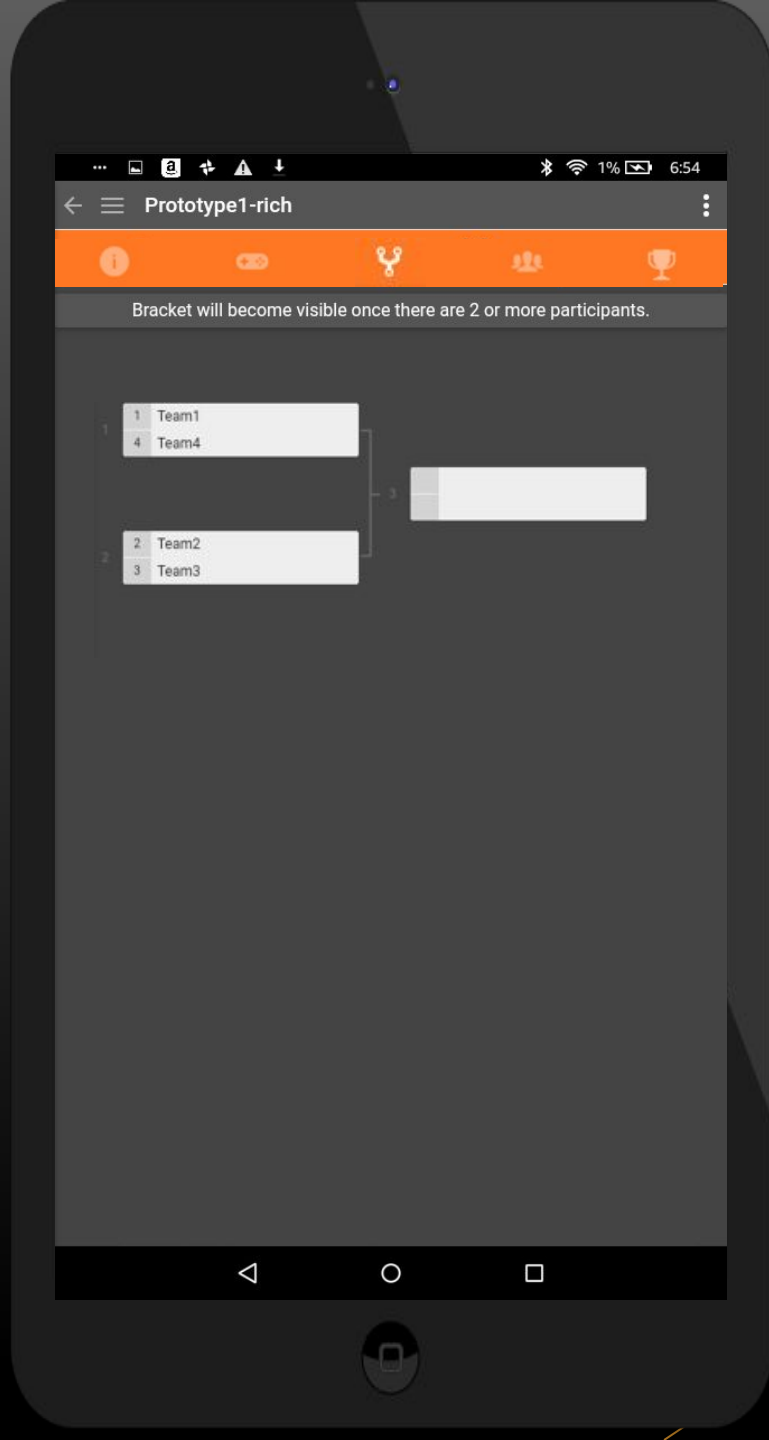
Participants_Menu
Participants_Add



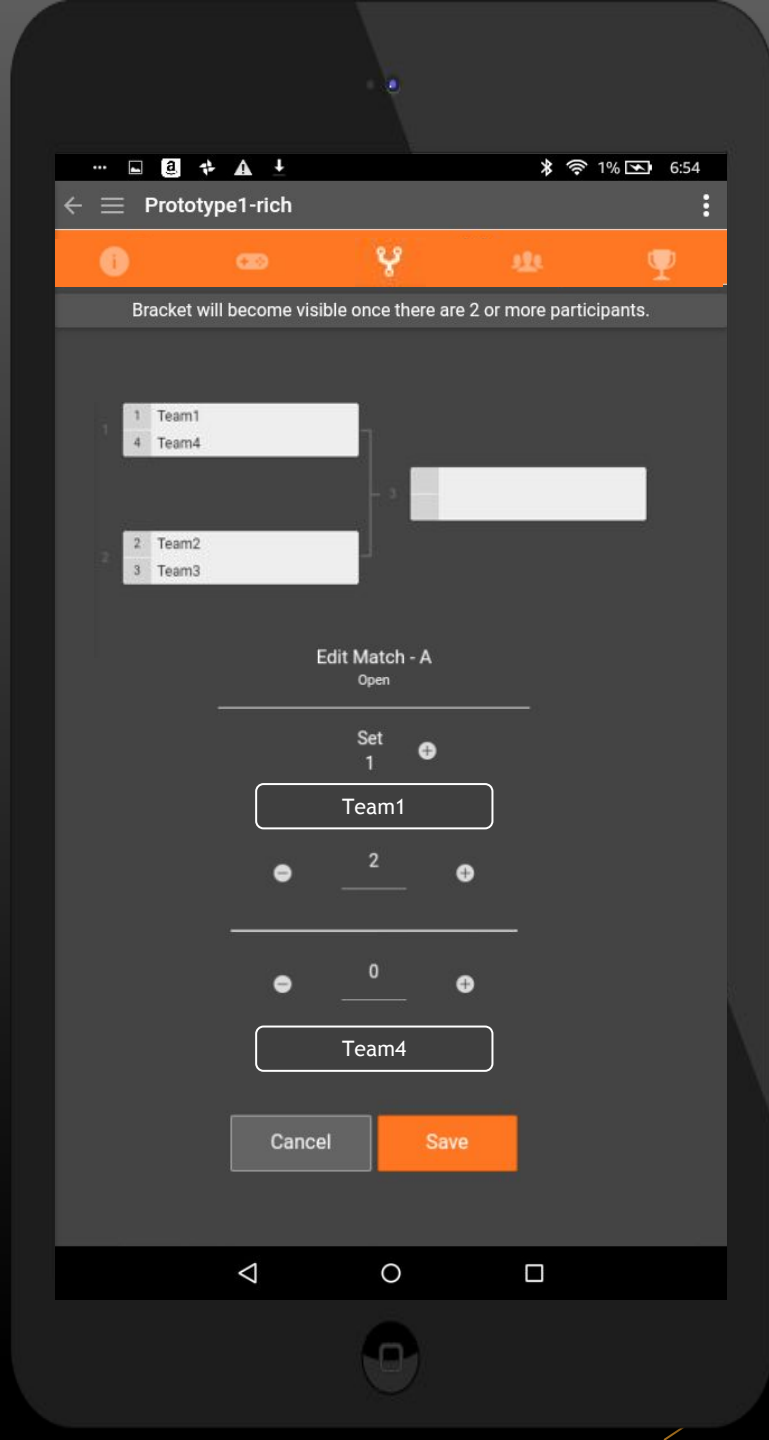
JournalMenu_Menu
_Participants_Finis
hed



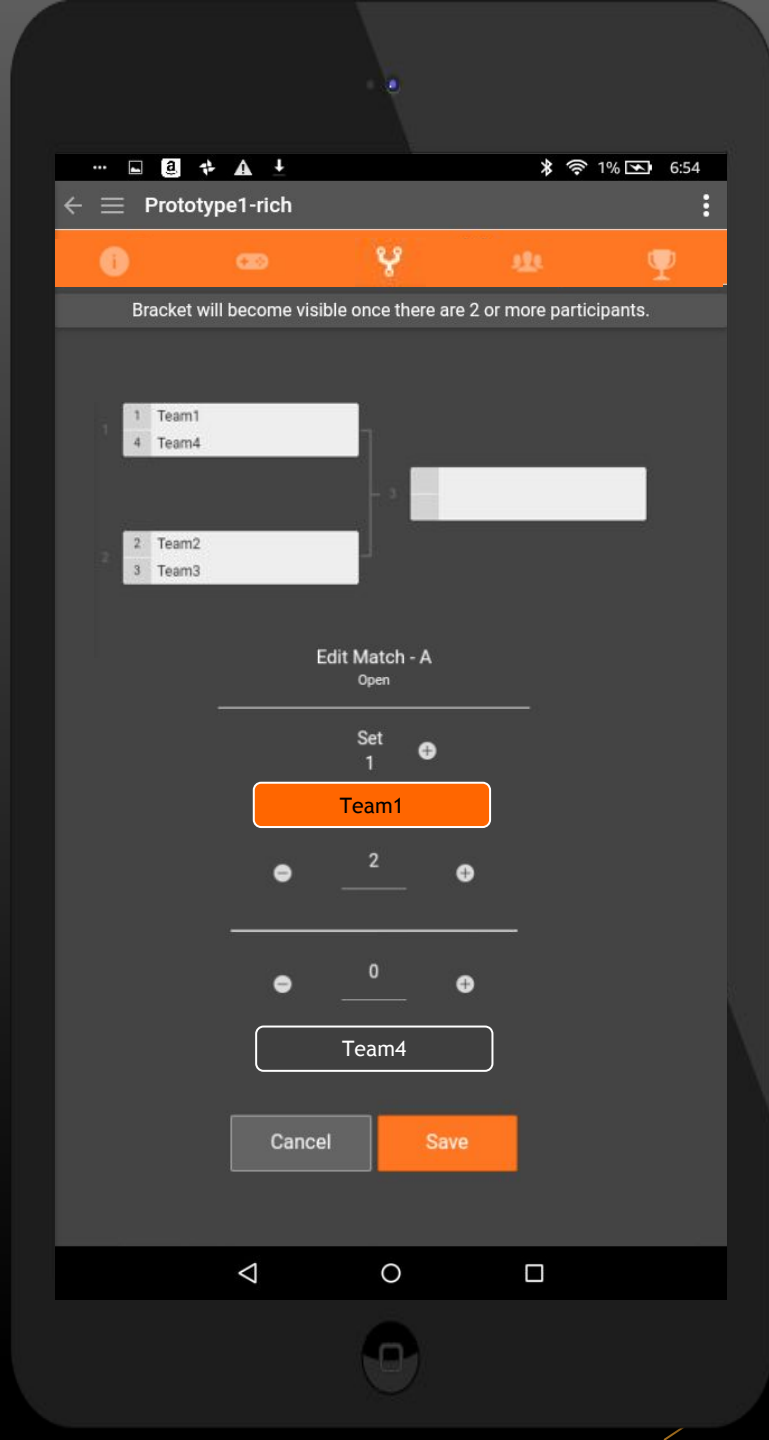
ournament_menu
_Bracket_Started



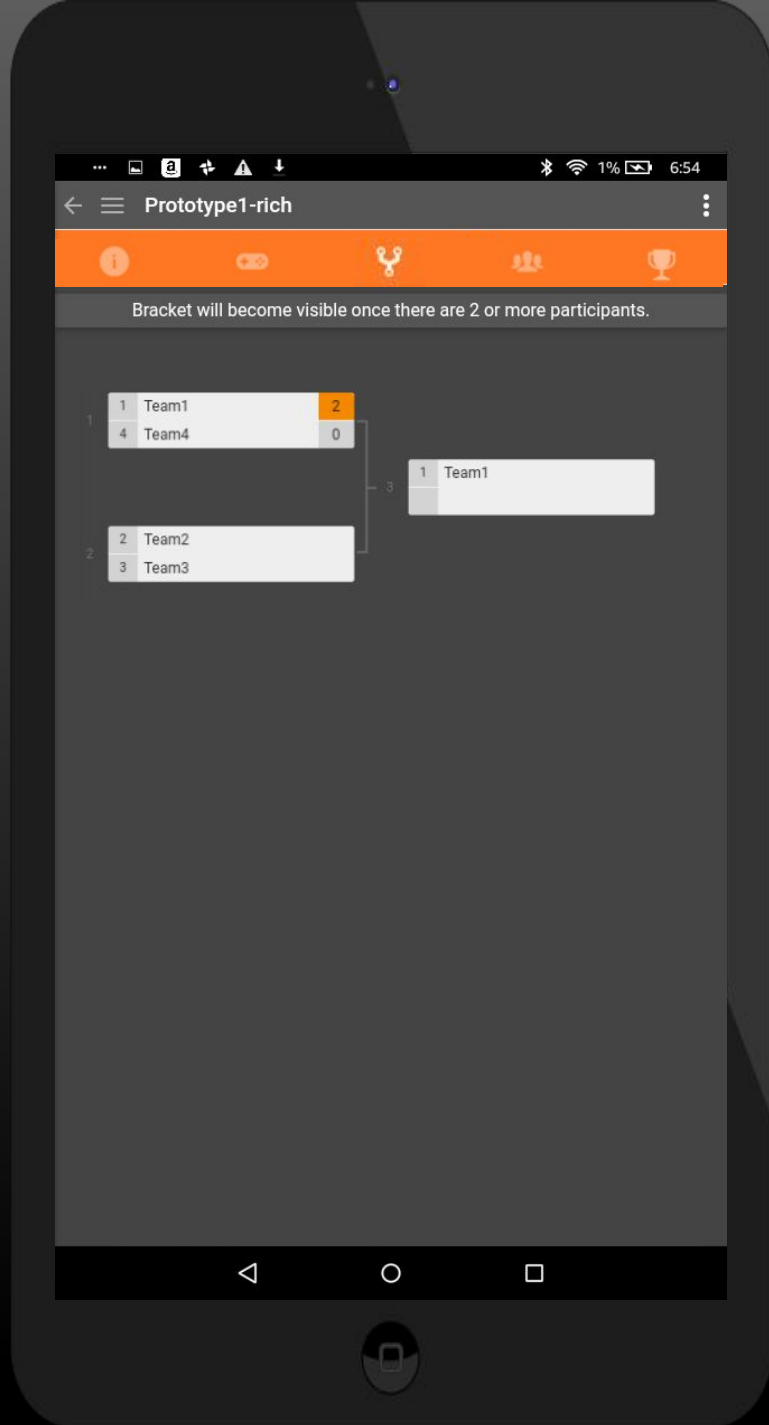
Performance_menu
Bracket_Started_
MatchA



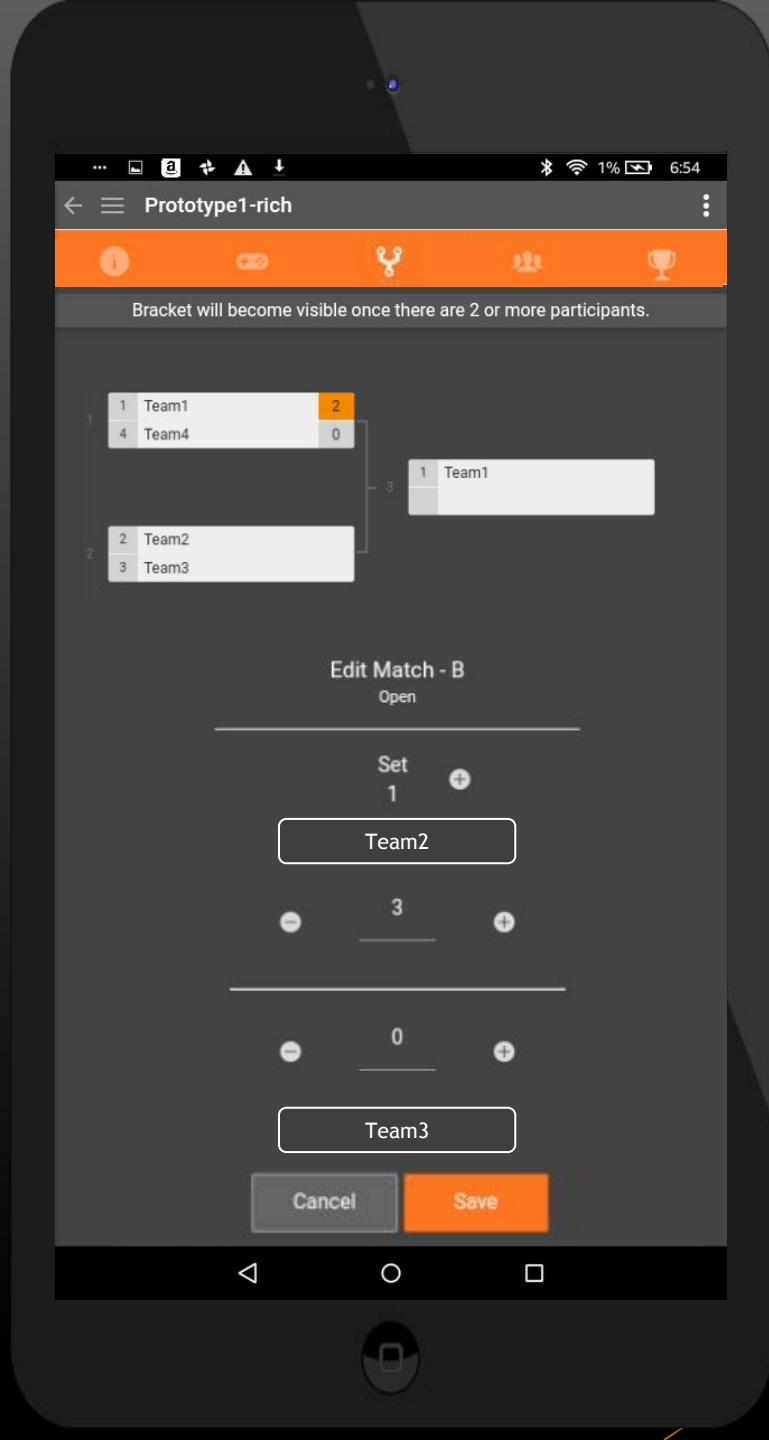
ournament_menu
Bracket_Started_
MatchA_Score



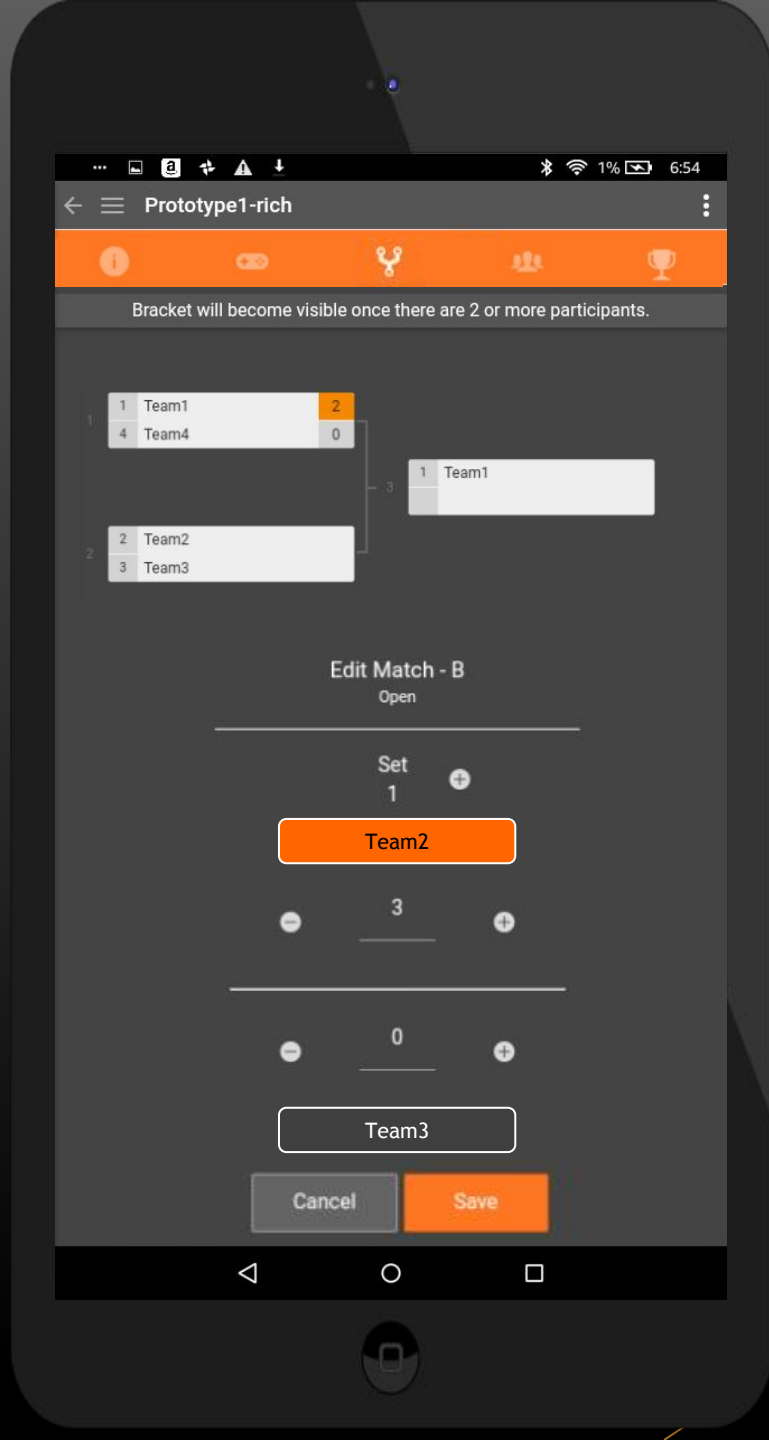
ournament_menu
_Bracket_Started2



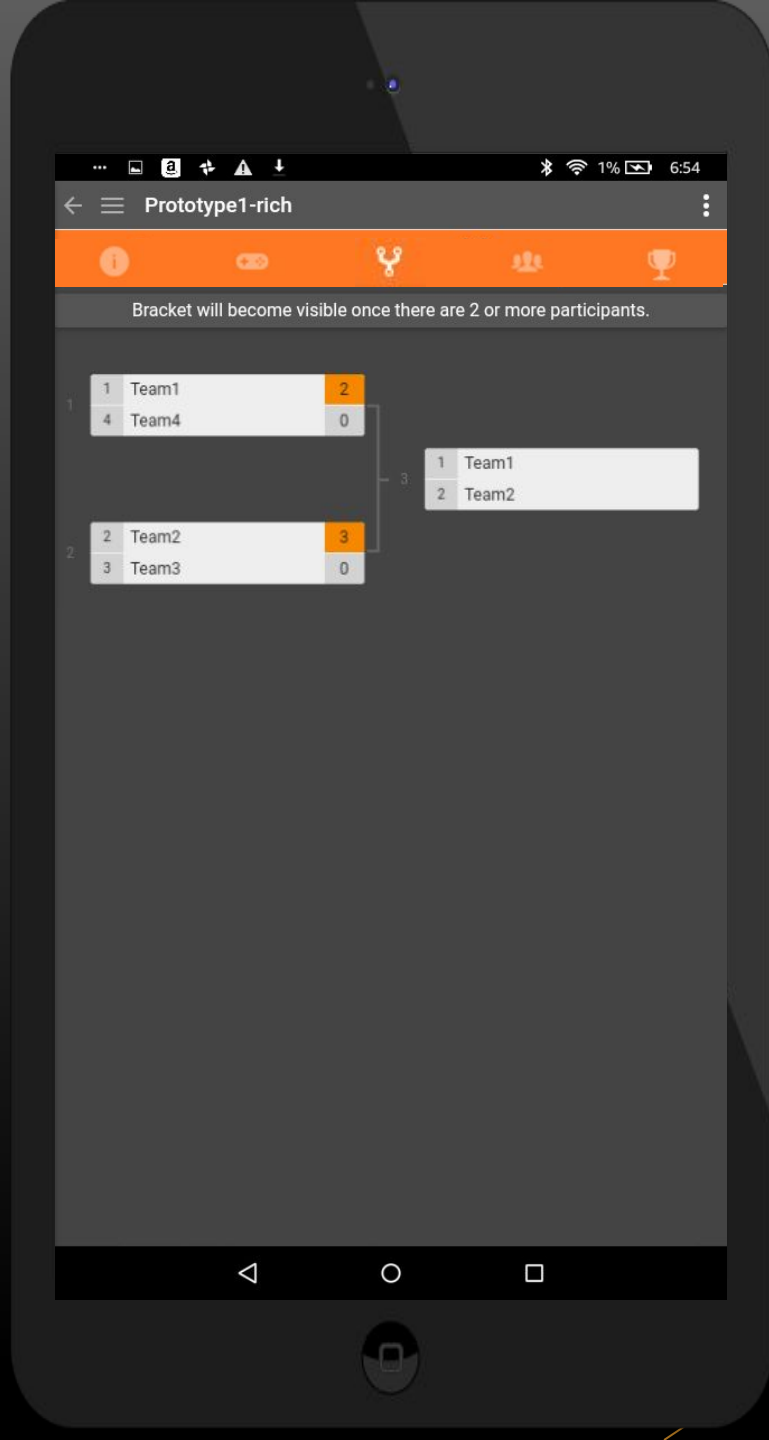
onMenuItemClick_menu
_Bracket_Started_
MatchB



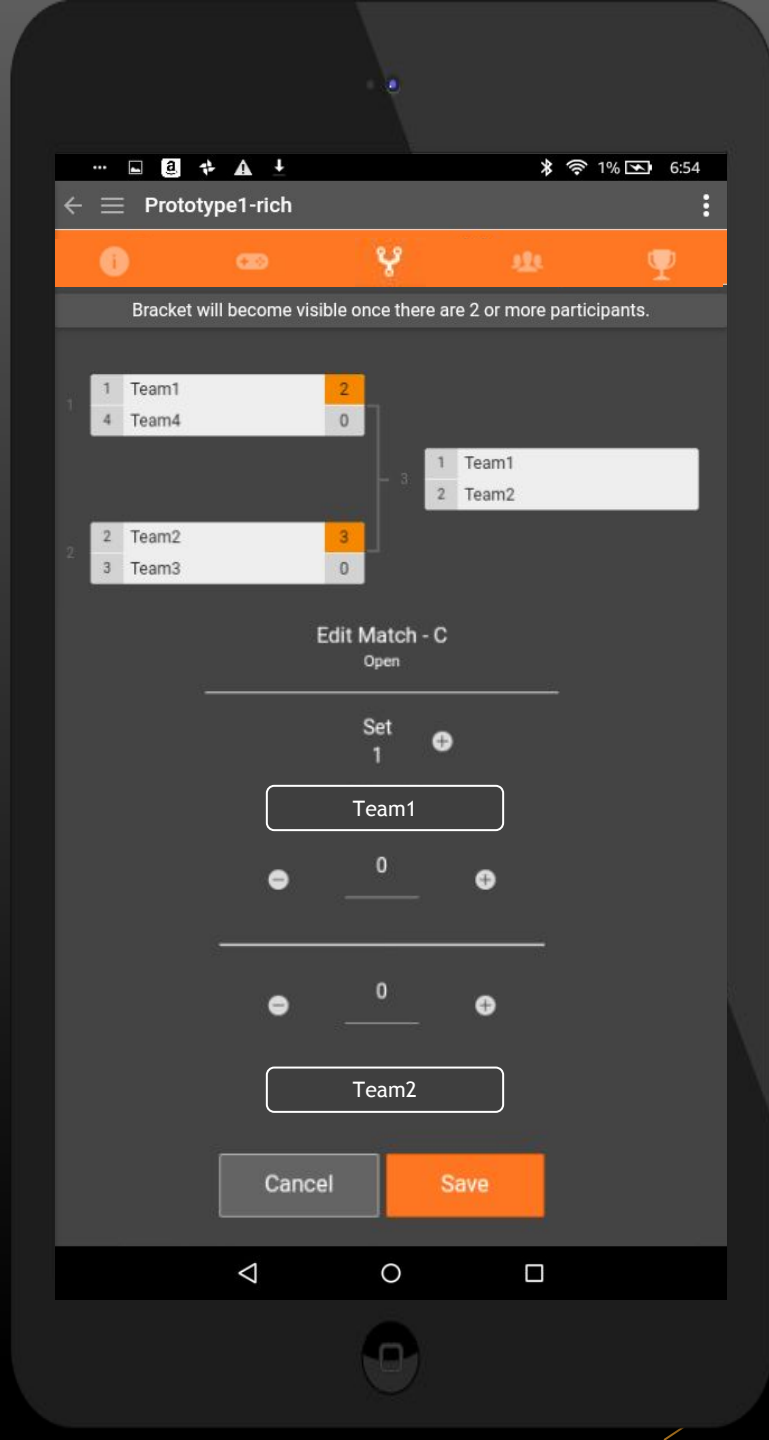
onMenuItemClick_menu
_Bracket_Started_
MatchB_Score



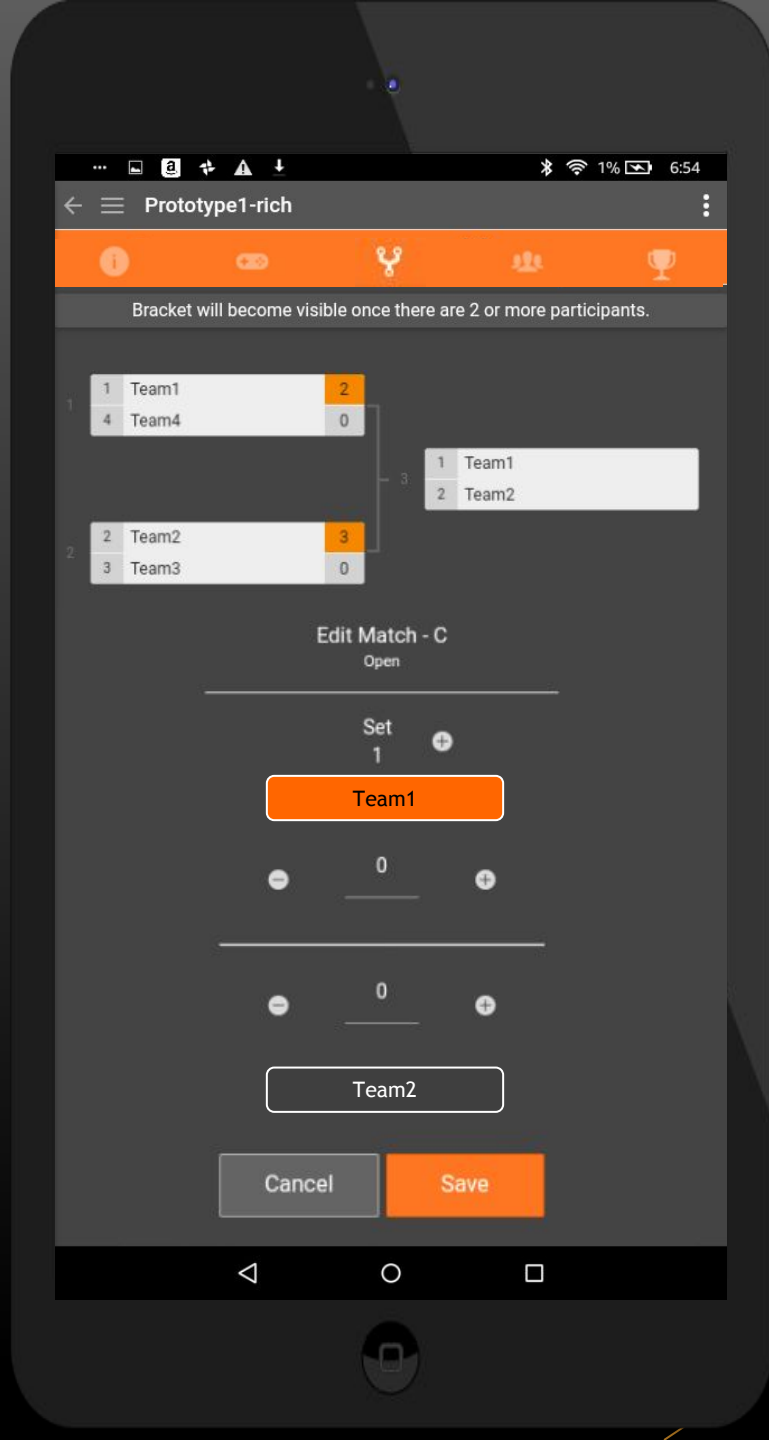
current_menu
_Bracket_Started3



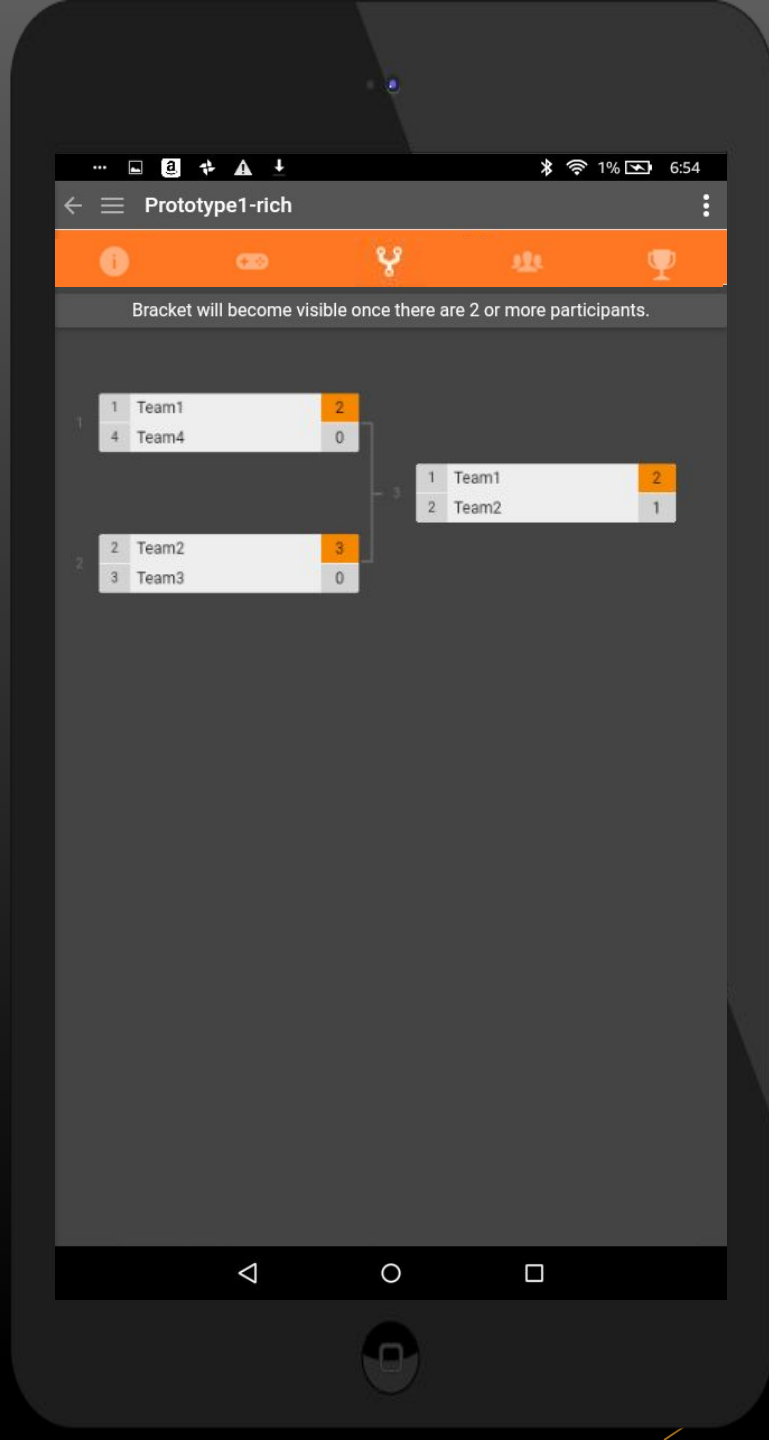
Dynamic_Menu
Bracket_Started_
MatchC

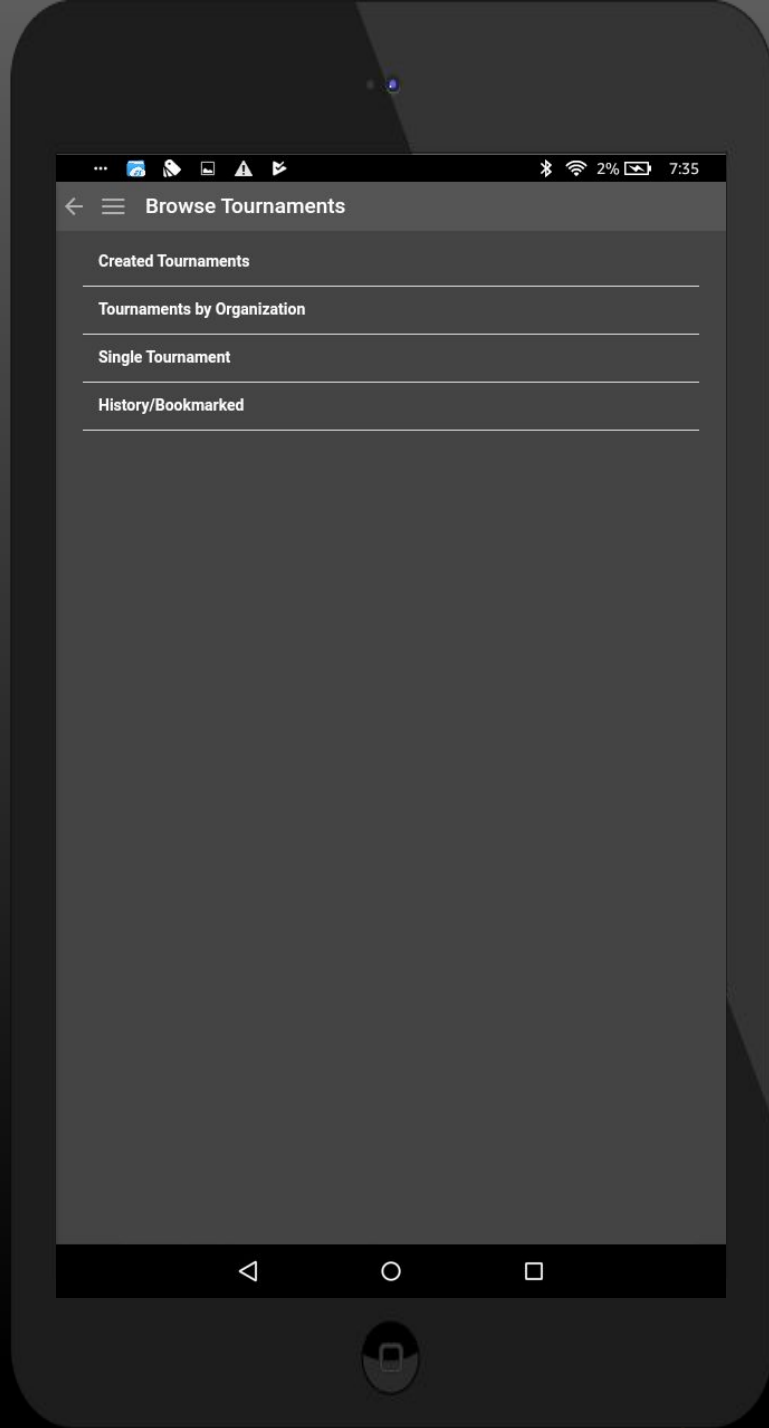


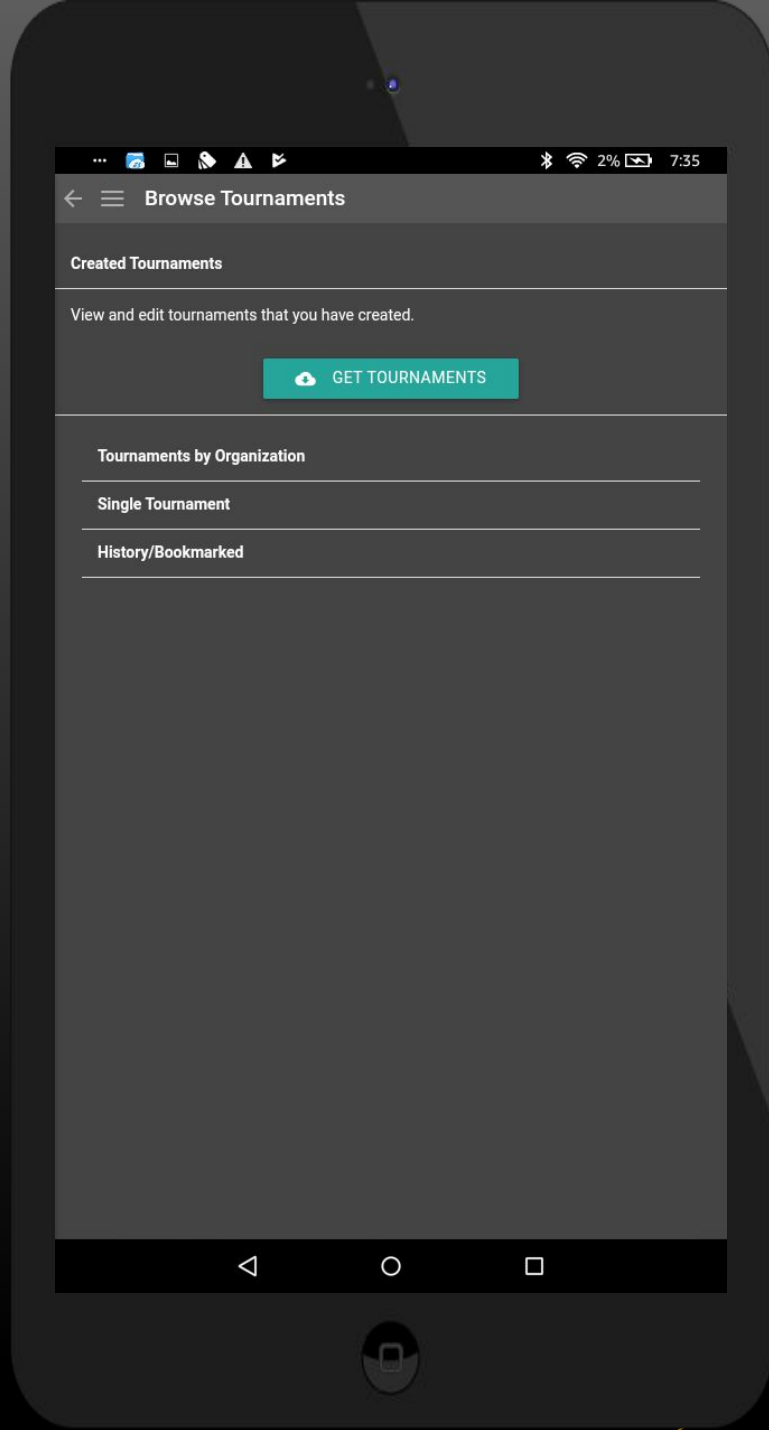
ournament_menu
Bracket_Started_
MatchC_Score



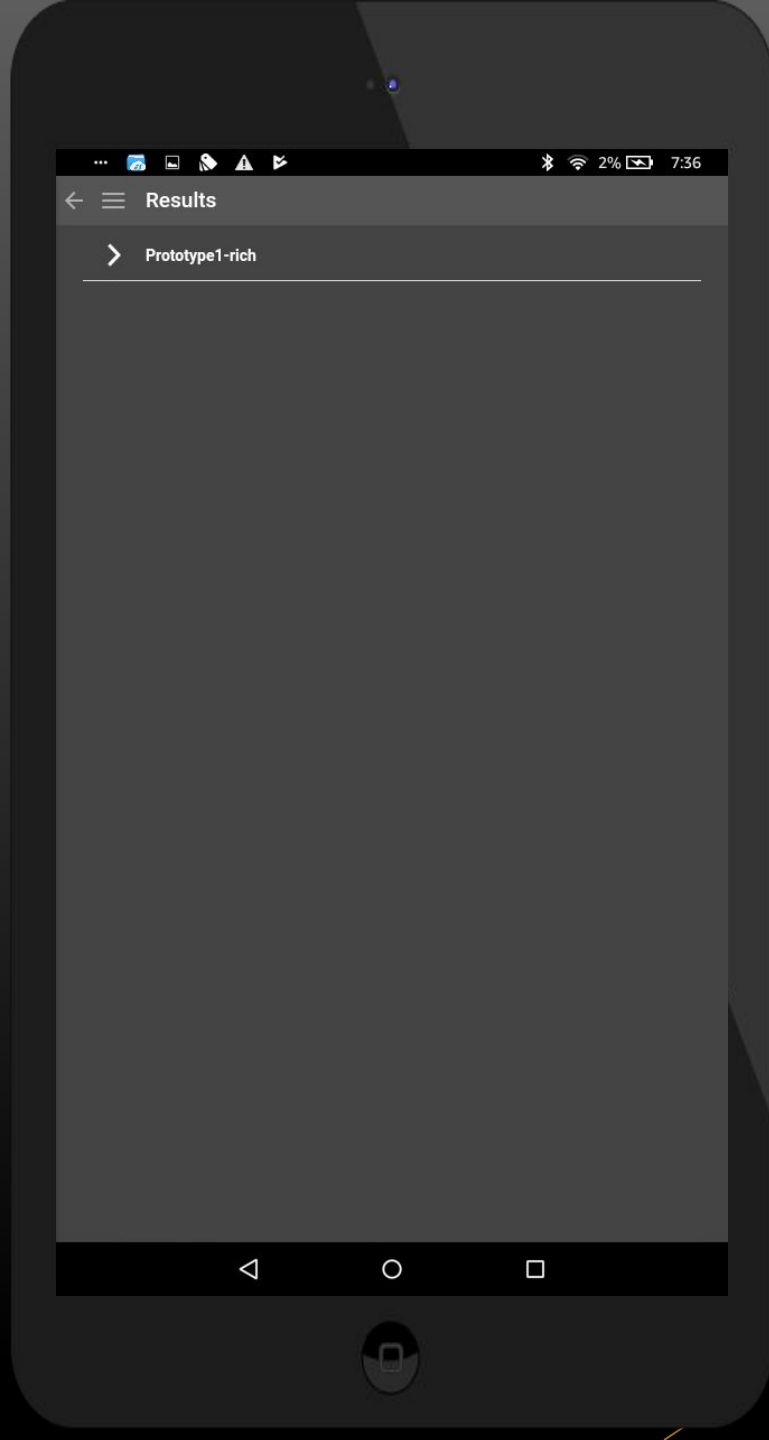
ournament_menu
_Bracket_Started4



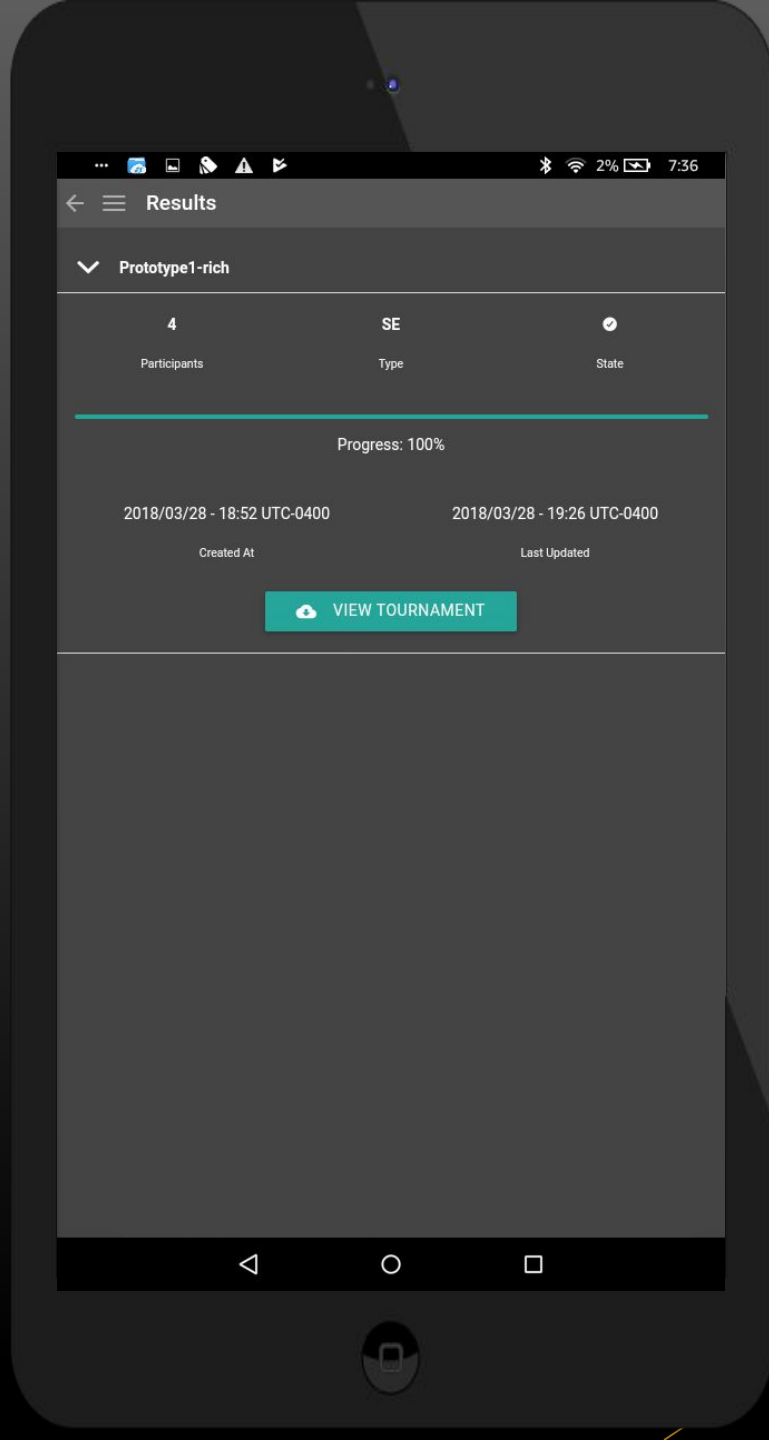




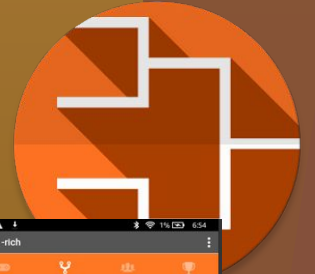
2015_01_01_01_01
ournament



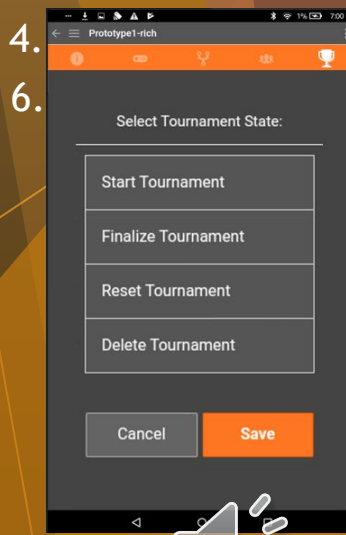
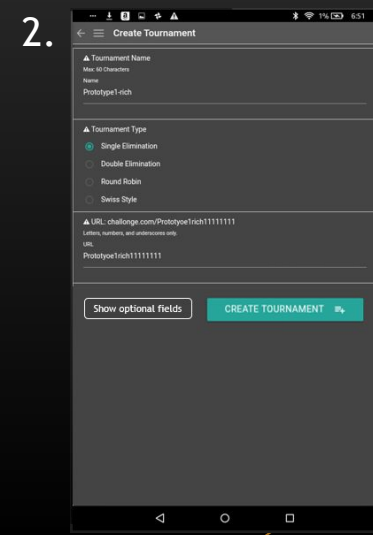
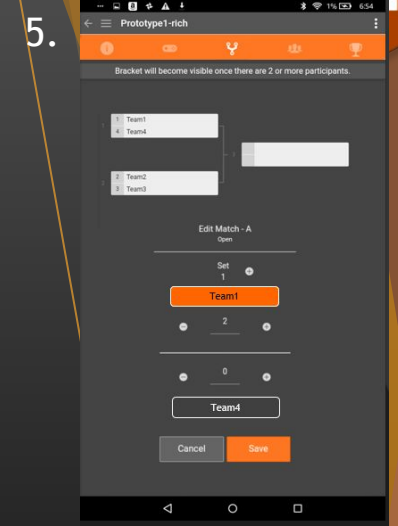
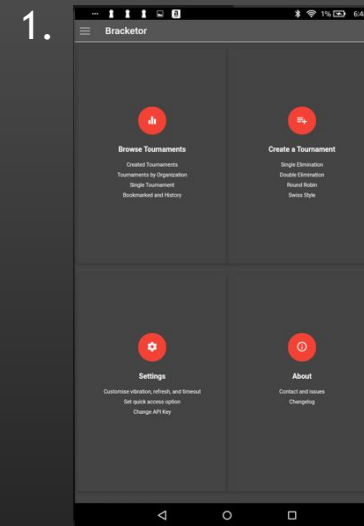
tournament_view



Brief User's Manual: Create a Tournament



1. **Desktop** - This is the portal to choose which task you want to complete. Features include viewing a tournament and creating a tournament
 1. Click "Create a Tournament"
2. **Creation Form** - This form contains options for creating the tournament including: Name, Tournament Type, URL, and other optional fields
 1. Enter Info into Fields
 2. Click "Create Tournaments"
 3. Click "Open"
3. **Go to "Participants" Tab** - This is where you add participants to the tournament. The tournament must not be in a "Started" state when you add participants
 1. Click bulk add participant
 2. Enter participant names (separated by return)
 3. Click Add
4. **Go to "Tournament State" Tab** - The tournament state is important to consider during specific tasks for example, the tournament must be started before match scores can be recorded
 1. Click start tournament
 2. Click Save
5. **Go to the "Bracket" Tab** - This is where you monitor the progress of the tournament and report scores.
 1. Click on a match
 2. Click '+' to increment score (repeat)
 3. Click on a winner
 4. Click save
 5. Repeat steps 5.1-5.4 as needed
6. **Go to "Tournament State" Tab** - The tournament state is important to consider during specific tasks for example, once the tournament is finalized, no other changes can be made.
 1. Click Finalize tournament
 2. Click Save



Brief User's Manual: View a Tournament



1. Click Browse Tournaments

1. In the desktop, click the button that says “Browse Tournaments” to view tournaments you have created

2. Click Created Tournaments Dropdown

1. The dropdown titled “Created Tournaments” will display a button that says “Get Tournaments”

3. Click Get Tournaments Button

1. This will show you a list of every tournament you have created

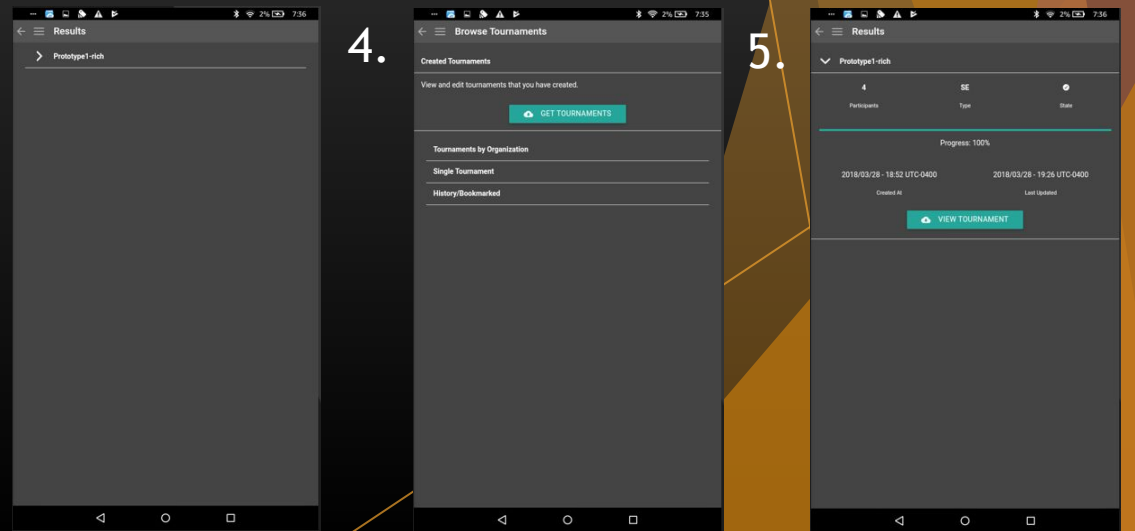
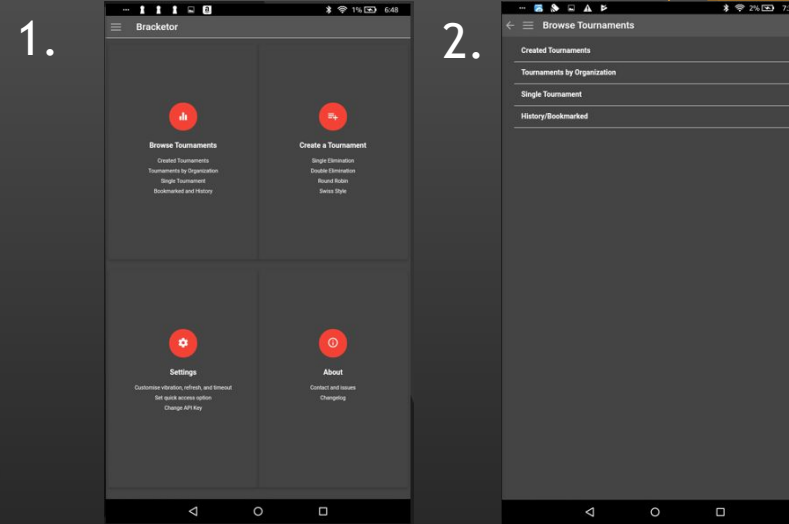


4. Click the Tournament Dropdown

1. Clicking the dropdown of the tournament of your naming will open a small page containing info about the tournament including: number of participants, type, state, progress %, date created and date last opened and a button to open the tournament

5. Click View Tournament Button

1. Clicking the view tournament button will open the tournament information page with the tournament in edit mode



Expectation of Usability Enhancement



Usability Principle	Original Problems	Solution	How it will effect the principle
Familiarity	Test users had difficulty knowing what to do once the tournament was created in terms of how to edit	Changed the tournament to be in edit mode automatically after it is created	This will remove user doubt as to what to do next which is in line with their previous experiences
	Test users could not figure out that they needed to change the state of the tournament to start before entering results	Changed the tournament state field to be a tab at the top	The user is more likely to investigate a major tab
	Test users took multiple tries to submit a score correctly, mostly due to the team name selection	Changed the users name to be a button	Users will know that a button with a team name on it will likely mean the winner
Visibility	Test users missed required fields during form submission due to overwhelming fields	Initial creation form changed to only show necessary fields with a toggle for optional fields	Users will see that the only fields listed are required

