



Final Revision 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



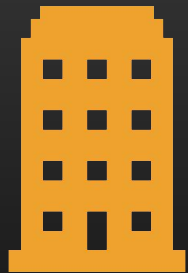
Players play their matches



Use Scenario 2: Viewing a Tournament



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



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

They see how the bracket is progressing



They daydream about how the matches would go



Test Methods and Procedure



▶ Goals

- ▶ Making sure these previously corrected usability issues were in fact corrected or if further correction is needed.
- ▶ Discover new usability issues if they exist, or have been created by fixing others.
 - ▶ Familiarity
 - ▶ Initial test users had difficulty knowing what to do once the tournament was created in terms of how to edit
 - ▶ Initial test users could not figure out that they needed to change the state of the tournament to start before entering results
 - ▶ Initial test users took multiple tries to submit a score correctly, mostly due to the team name selection
 - ▶ Visibility
 - ▶ Initial test users missed required fields during form submission due to overwhelming fields

▶ Quantitative testing

- ▶ 5 users (2 from initial testing)
- ▶ Same device, all tasks
- ▶ Record Errors (where and how many) and how long it takes to complete tasks.
 - ▶ Errors include error message prompts and navigating away from the correct page after arrival

▶ Follow up qualitative testing

- ▶ Questions about errors from testing and note down
 - ▶ What caused the error (visibility, navigation, etc)
 - ▶ Walk through with user where the error came from
- ▶ Questions about TTC tasks from testing and note down
 - ▶ What caused outlier times if not errors



Quantitative Data



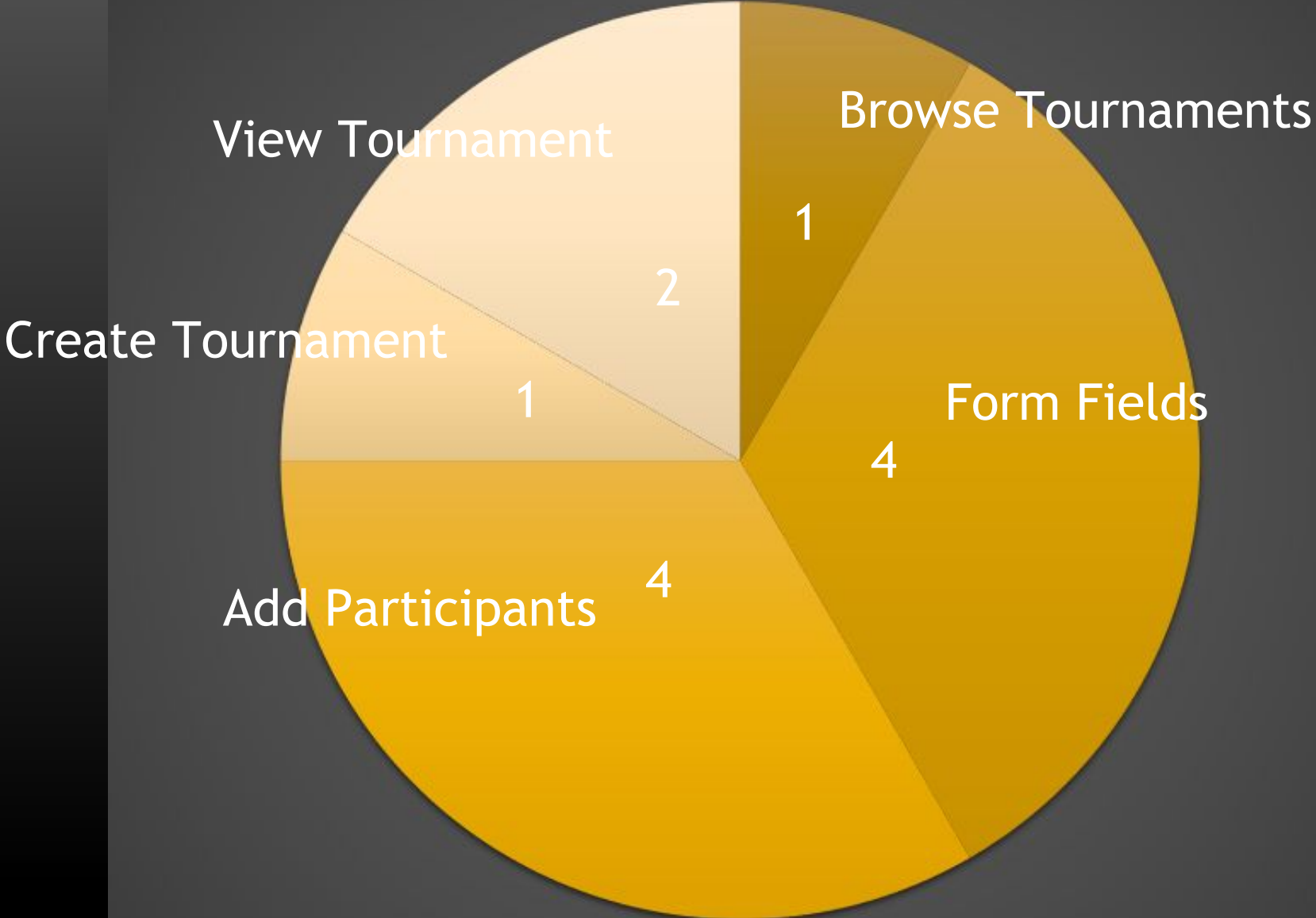
		User1		User2		User3		User4		User5		
Step Name	Step #	TTC(sec)	ERRORS	TTC(sec)	ERRORS	TTC(sec)	ERRORS	TTC(sec)	ERRORS	TTC(sec)	ERRORS	
Creating a Tournament	Click Create a Tournament	1	2.15	0	2.36	0	3.53	1	2.49	0	3.75	0
	Enter Name into field	2										
	Enter Type into field	2.1										
	Enter URL into field	2.2	16.45	0	20.26	0	40.21	1	35.78	1	63.88	2
	Click Create Tournament	2.3										
	Click Open on dialogue box	2.4										
	Click participants tab	3										
	Click bulk add participant	3.1										
	Enter participant names (separated	3.2	31.49	0	46.02	0	60.23	1	65.22	2	49.75	1
	Click Add	3.3										
	Click Tournament State tab **New**	4										
	Click start tournament	4.1	8.81	0	16.11	0	20.33	0	17.65	0	15.16	0
	Click Save	4.2										
	Click Bracket tab	5										
	Click on a match	5.1										
	Click '+' to increment score (repeat)	5.2	46.25	0	61.43	0	72.21	0	68.32	0	75.23	0
	Click on a winner	5.3										
	Click save	5.4										
	Repeat steps 6.1-6.4 as needed	5.5										
	Tournament State tab **New**	6										
Click finalize tournament	6.1	9.36	0	9.65	0	7.46	0	8.56	0	10.21	0	
Click save	6.2											
Viewing a Tournament	Click Browse tournaments	1	2.74	0	2.33	0	2.31	1	3.15	0	3.96	0
	Click Created Tournaments	2										
	Click get tournaments	2.1										
	Click tournament Dropdown	2.2	16.17	1	20.96	0	19.46	1	16.65	0	23.46	0
	Click view tournament	2.3										



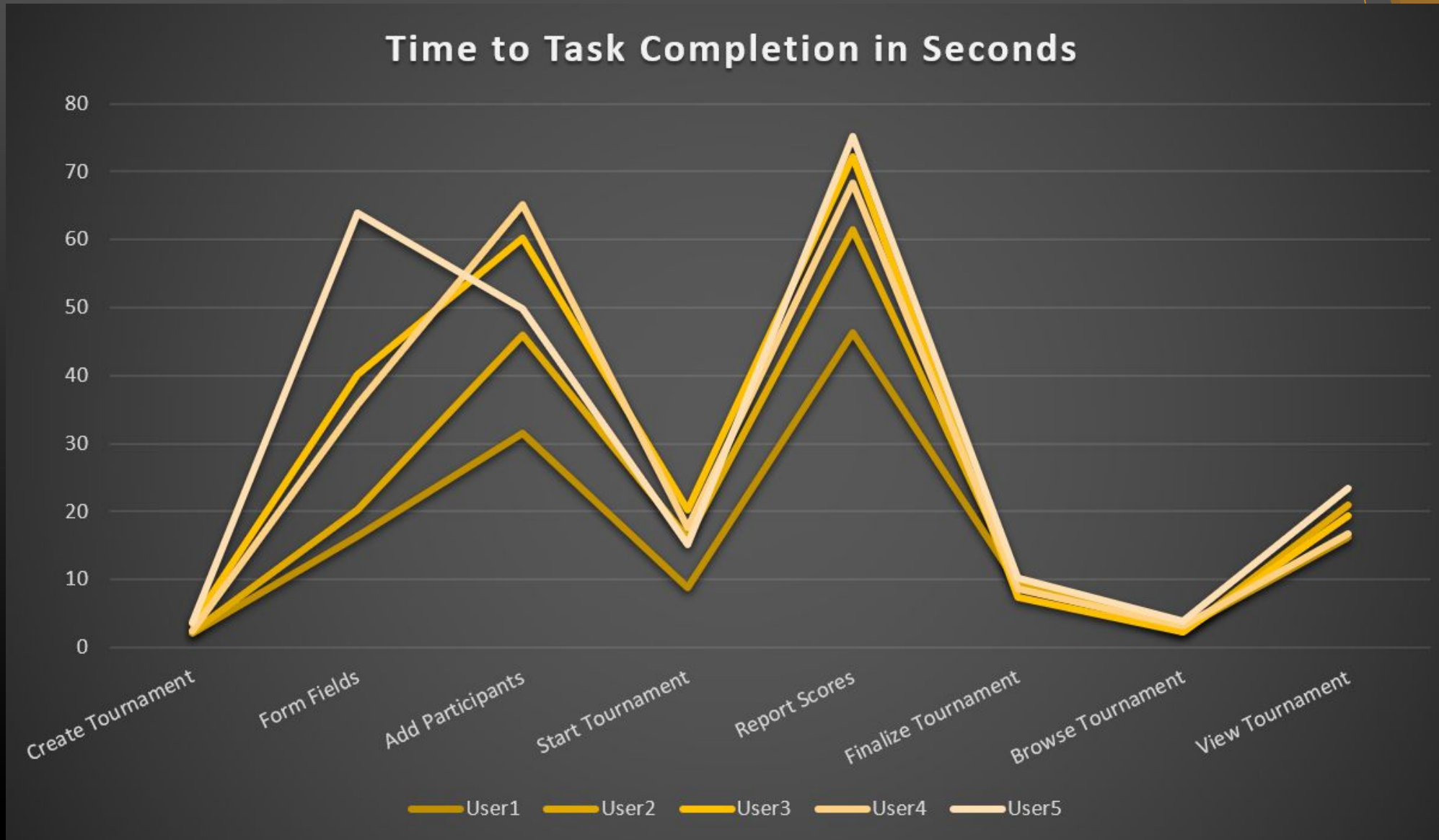
Test Results: ERRORS



Errors



Test Results: Speed of Task Completion



Qualitative Results



- ▶ Error explanations in order of task
 - ▶ Create Tournament: 1 error
 - ▶ User claimed that it was a slip up
 - ▶ Form Fields: 4 errors
 - ▶ 3 Users unanimously did not notice that the fields were required (one user did twice: once per field)
 - ▶ Add Participants: 4 errors
 - ▶ Users navigated away from the page because they didn't think they were supposed to be there
 - ▶ One user navigated away from the page twice
 - ▶ Browse Tournament: 1 error
 - ▶ User thought we wanted the same task as the first and clicked on create tournament instead
 - ▶ View Tournament: 2 errors
 - ▶ Both users clicked different methods for finding a tournament than by created because they didn't think it mattered
- ▶ One speed outlier during form fields attributed to errors resubmitting the form because required fields weren't filled out



Original Testing from Project1



Task	User 1 Performance	User 2 Performance	Total Errors
Fill out initial tournament creation form	Poor	Failed	3+
Make tournament editable	Failed	Failed	N/A
Add Participants	Success	Poor	1
Start tournament	Poor	Failed	3+
Report Scores	Poor	Poor	2
Finalize results	Success	Success	0
View Tournament	Success	Success	0



New Results For Comparison



	Step Name	Step #	User1		User2		User3		User4		User5	
			TTC(sec)	ERRORS	TTC(sec)	ERRORS	TTC(sec)	ERRORS	TTC(sec)	ERRORS	TTC(sec)	ERRORS
Creating a Tournament	Click Create a Tournament	1	2.15	0	2.36	0	3.53	1	2.49	0	3.75	0
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	Click Create Tournament	2.3										
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	Click participants tab	3										
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	Enter participant names (separated	3.2	31.49	0	46.02	0	60.23	1	65.22	2	49.75	1
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	Click on a winner	5.3										
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	Click Created Tournaments	2										
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	Click tournament Dropdown	2.2	16.17	1	20.96	0	19.46	1	16.65	0	23.46	0
	Click view tournament	2.3										



Results Inferences



- ▶ **Familiarity Issues**
 - ▶ Making a tournament editable
 - ▶ This was eliminated altogether from the process ultimately improving familiarity
 - ▶ Eliminating this step also saved time presumably
 - ▶ **Tournament State**
 - ▶ Tournament state was given its own menu tab after users could not figure out what to do
 - ▶ 0 Errors on testing during this step show that usability has greatly improved in this step
 - ▶ **Reporting Scores Button**
 - ▶ The button to select the winning team was not intuitive (text highlight) and was changed to an actual toggle button
 - ▶ 0 Errors on testing during this step show that usability has greatly improved in this step
- ▶ **Visibility Issue**
 - ▶ Creation Form changed to only show necessary fields (toggle for optional fields)
 - ▶ The 4 errors in testing demonstrate that there is still a need for changes



Results Inferences



- ▶ Potential New Familiarity Issues
 - ▶ Add Participants: 4 errors
 - ▶ Users navigated away from the page because they didn't think they were supposed to be there
 - ▶ Need to be clear that attendees can be added there
 - ▶ Browse Tournament: 1 error
 - ▶ User thought we wanted the same task as the first and clicked on create tournament instead
 - ▶ Can be disregarded as a communication error
 - ▶ View Tournament: 2 errors
 - ▶ Both users clicked different methods for finding a tournament than by created because they didn't think it mattered
 - ▶ Can be further optimized



Design Enhancement: Creation Form



Initial Prototype

- ▶ Creation Form changed to further stress required fields
- ▶ Added red 'required' text next to fields

Final Prototype

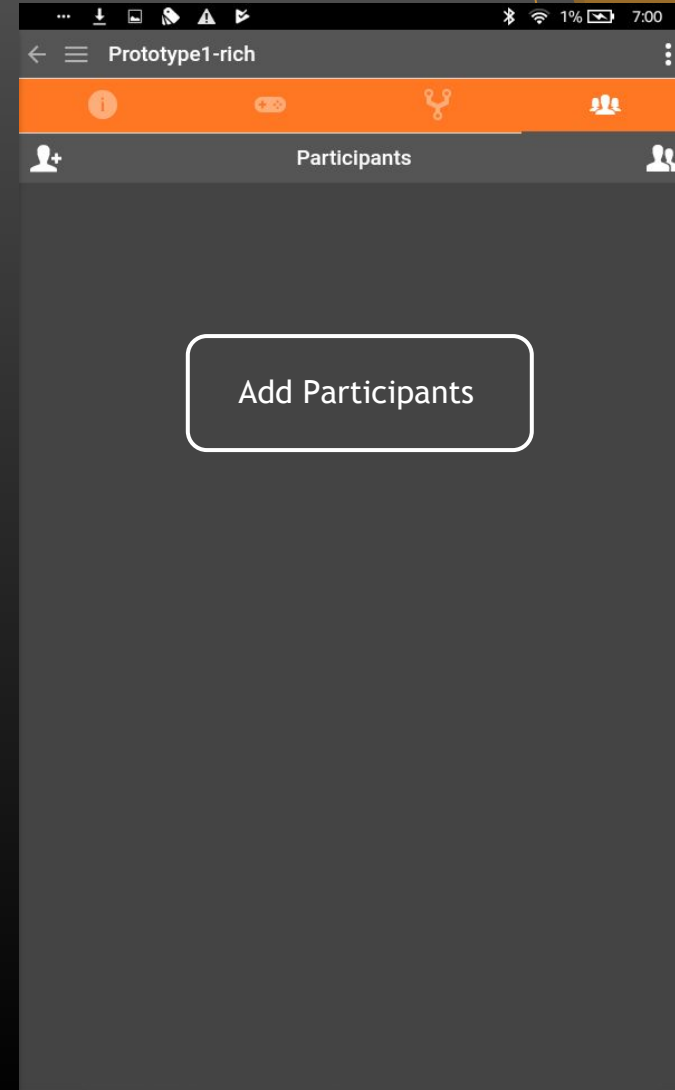


Design Enhancement: Add Participants



Initial Prototype

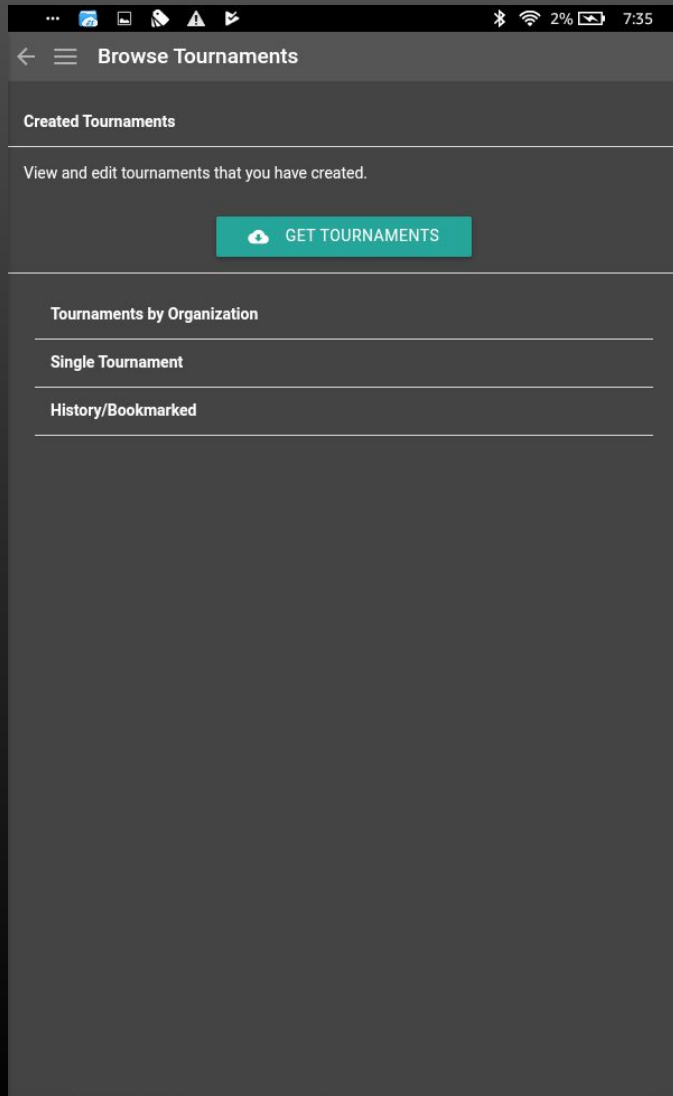
- ▶ Users navigated away from the add participants page because they didn't think they were supposed to be there
- ▶ Need to be clear that attendees can be added there
- ▶ Added 'add participants' button to final prototype



Final Prototype



Design Enhancement: View Tournament



Initial Prototype

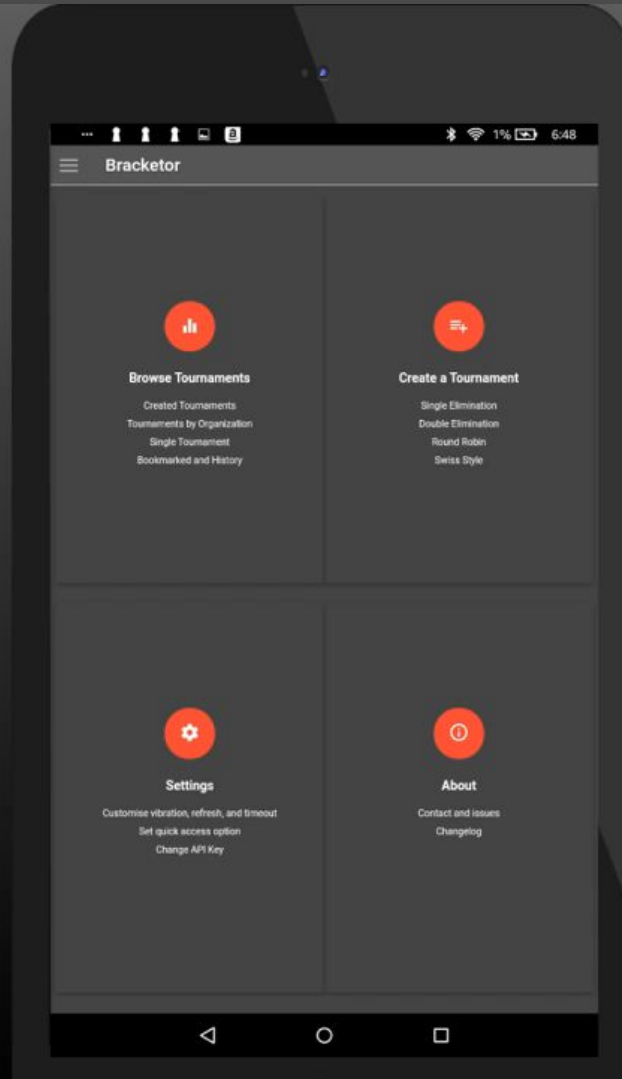
- ▶ View Tournament page: further optimization can be achieved
 - ▶ This drop down is not necessary and can take you straight to the list of tournaments you have created



Final Prototype

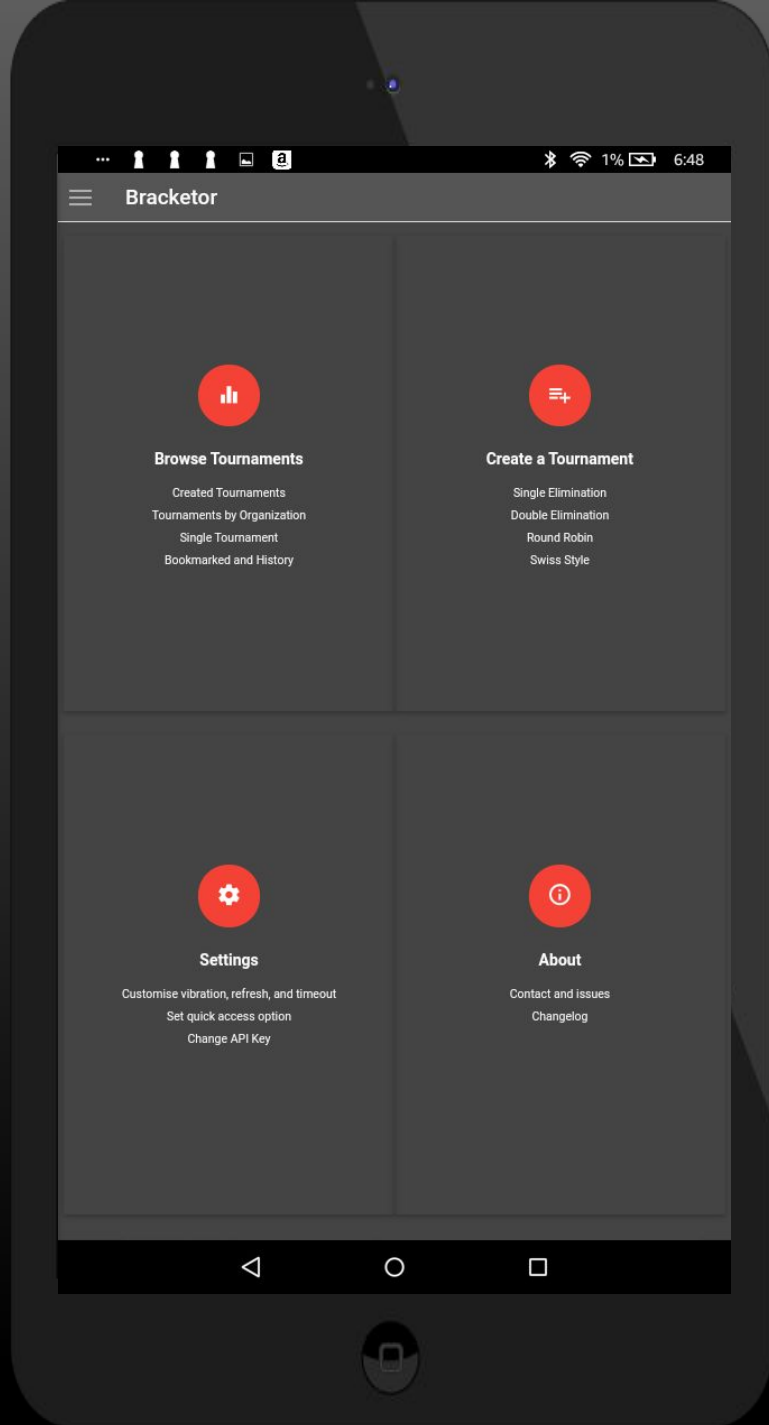


Prototype



Skip

Skip
Prototype



Skip
Prototype



... [Icons] 1% 6:51

← ≡ Create Tournament

▲ Tournament Name ****Required****
Max: 60 Characters
Name
Prototype1-rich

▲ Tournament Type ****Required****
 Single Elimination
 Double Elimination
 Round Robin
 Swiss Style

▲ URL: challenge.com/Prototyoe1rich11111111 ****Required****
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 Challonge 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

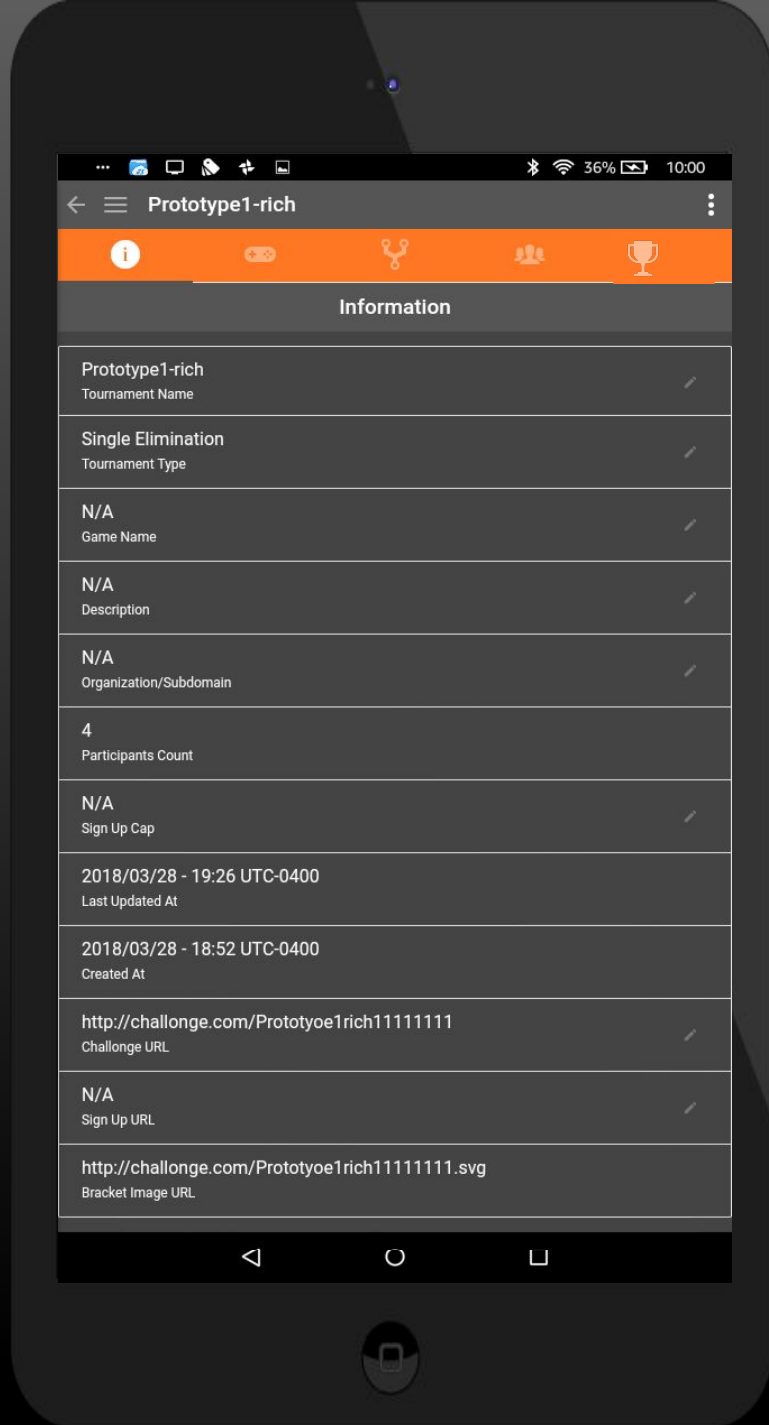
New Tournament

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

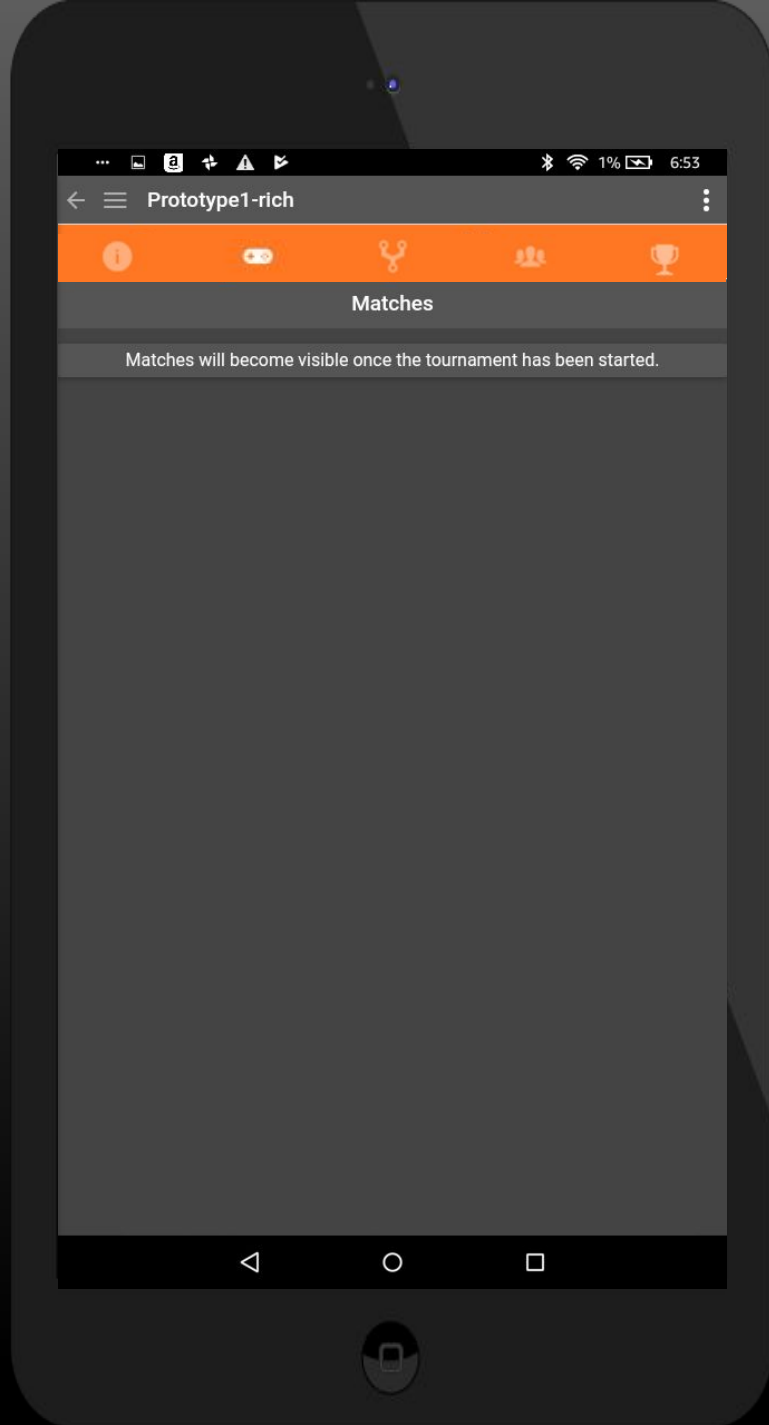
<http://challonge.com/Prototyoe1rich>

Close Open

_Info



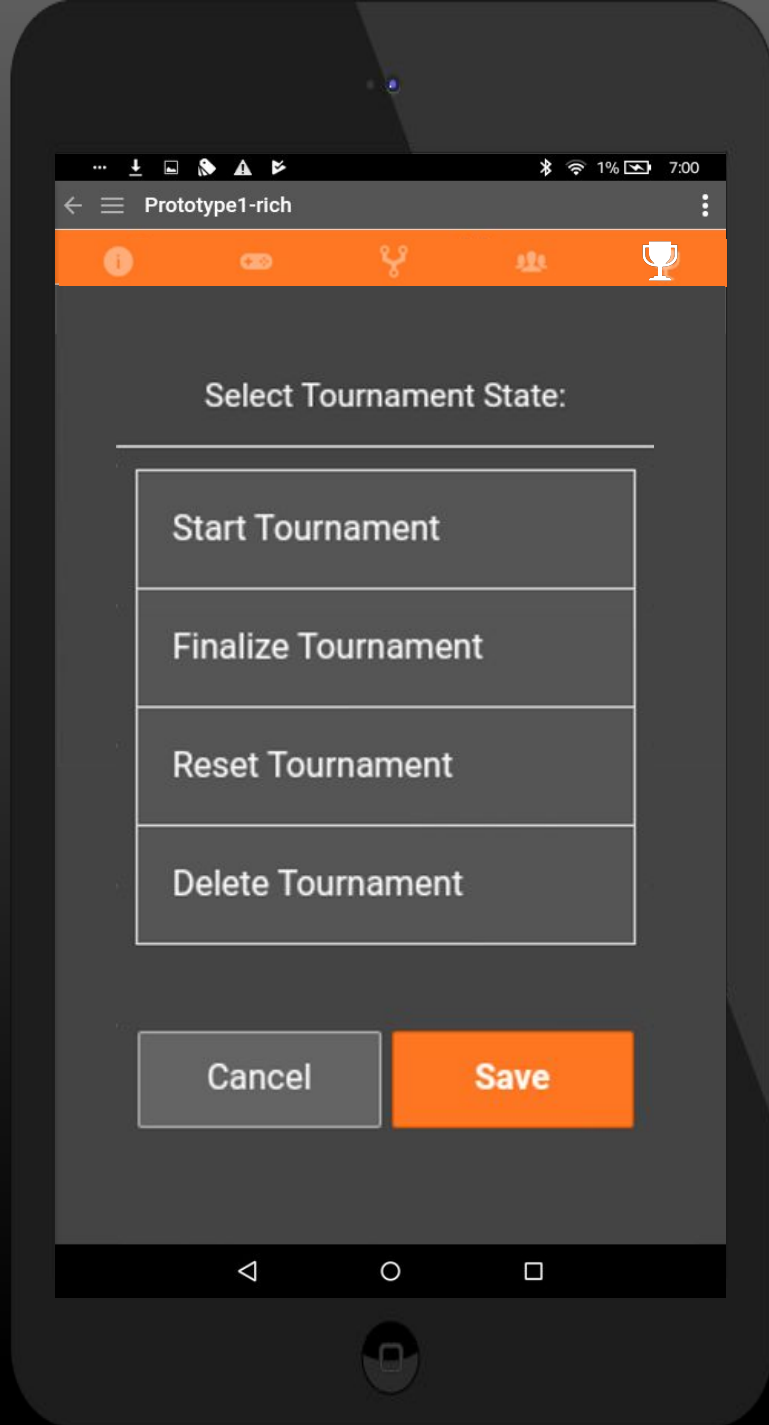
tournament_menu
_Matches



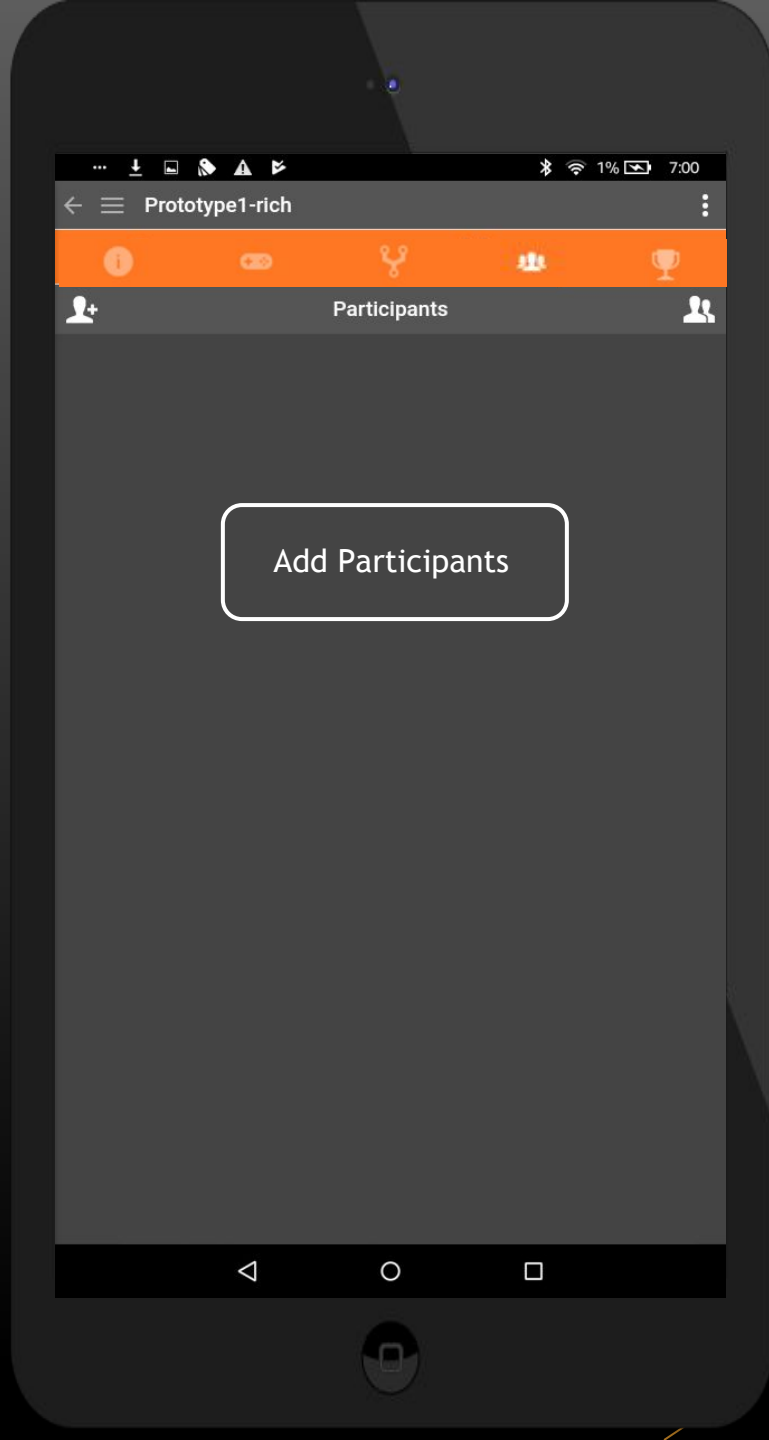
ournament_menu _Bracket



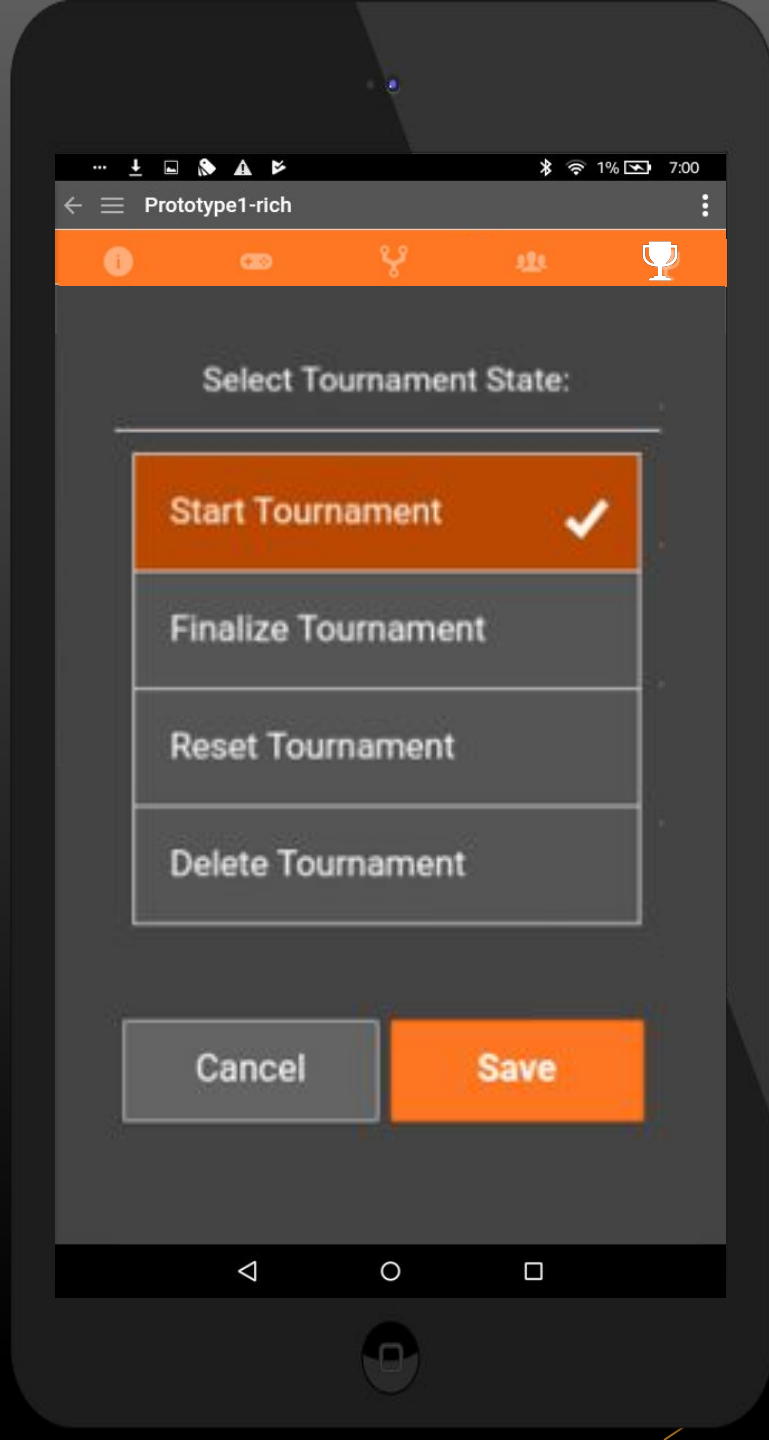
ournament_menu
_Status



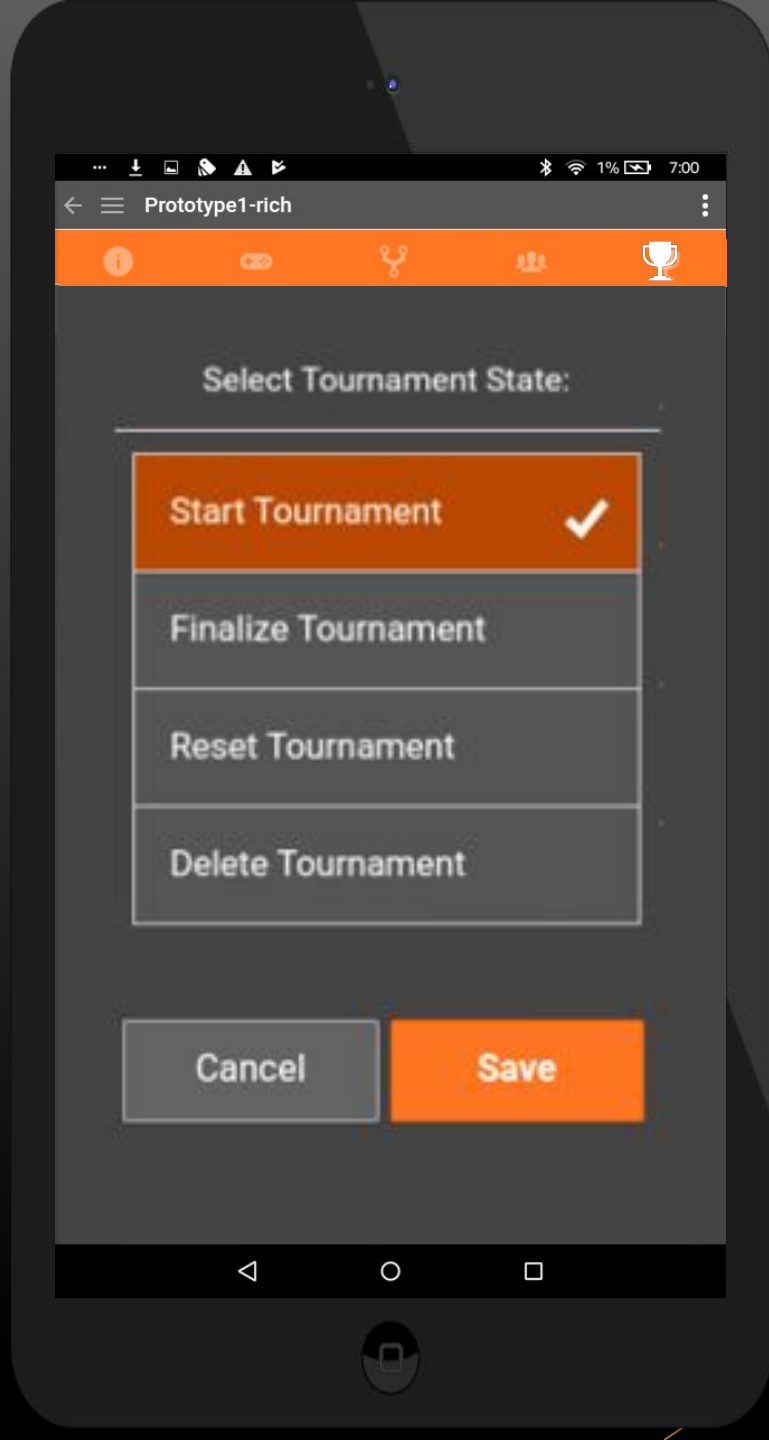
Participants



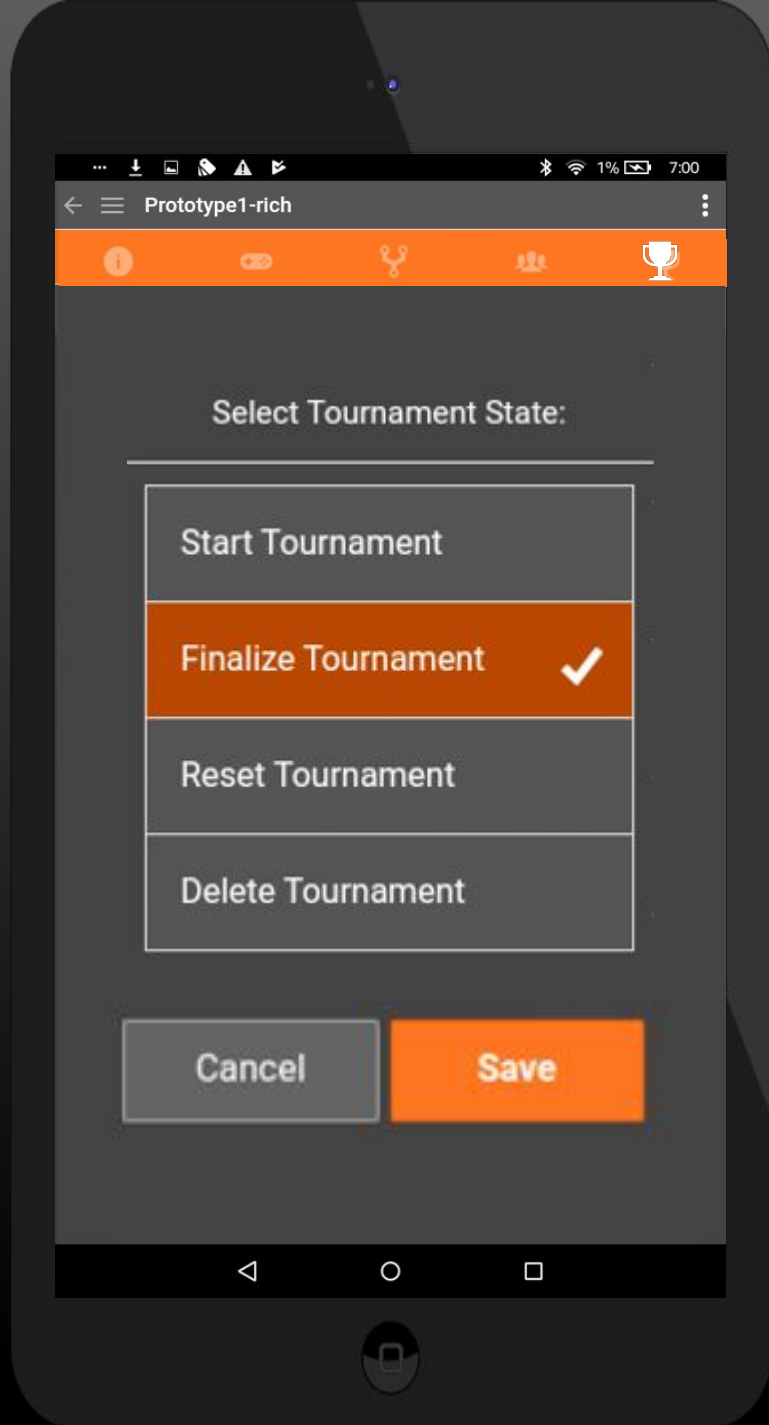
Tournament_menu
_Status_Start



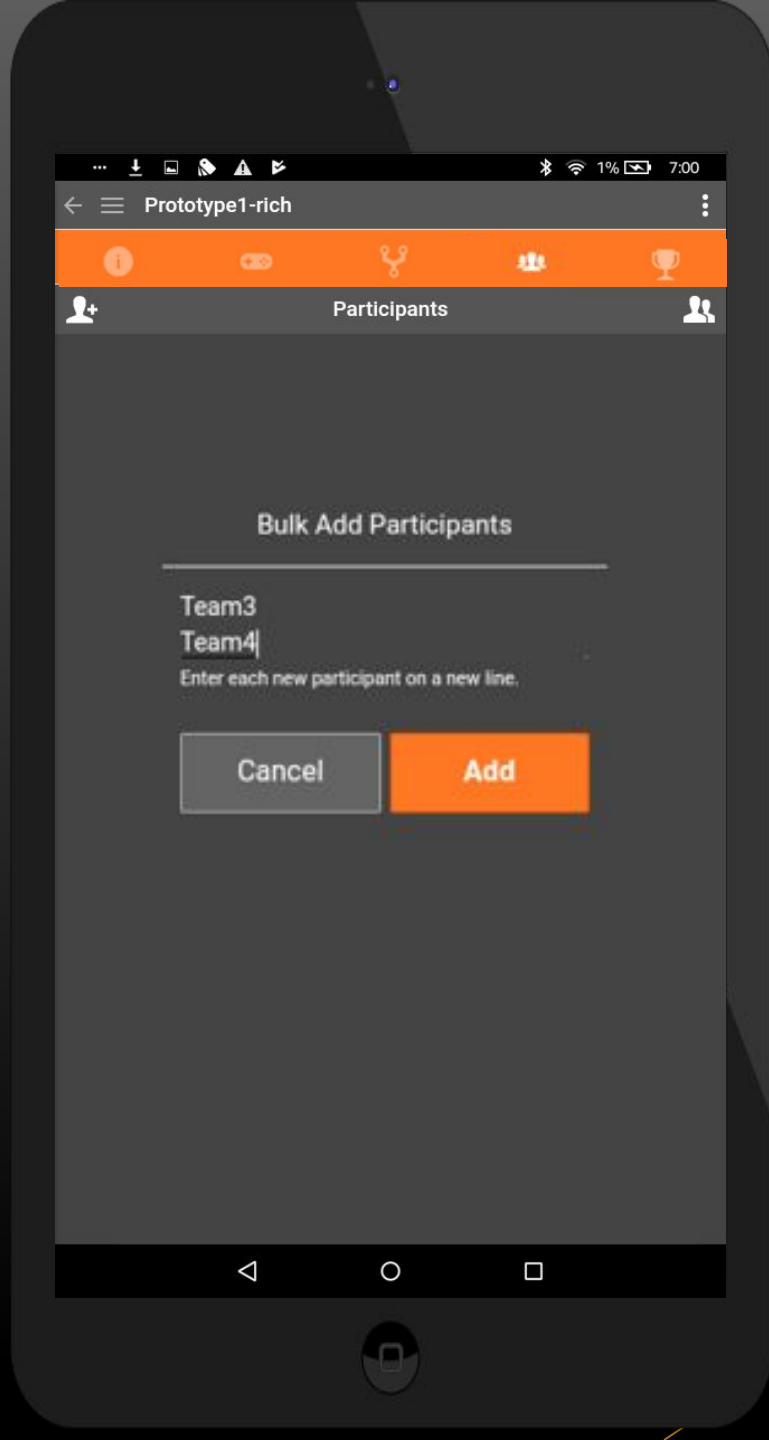
Tournament_Menu
_Status_Start2



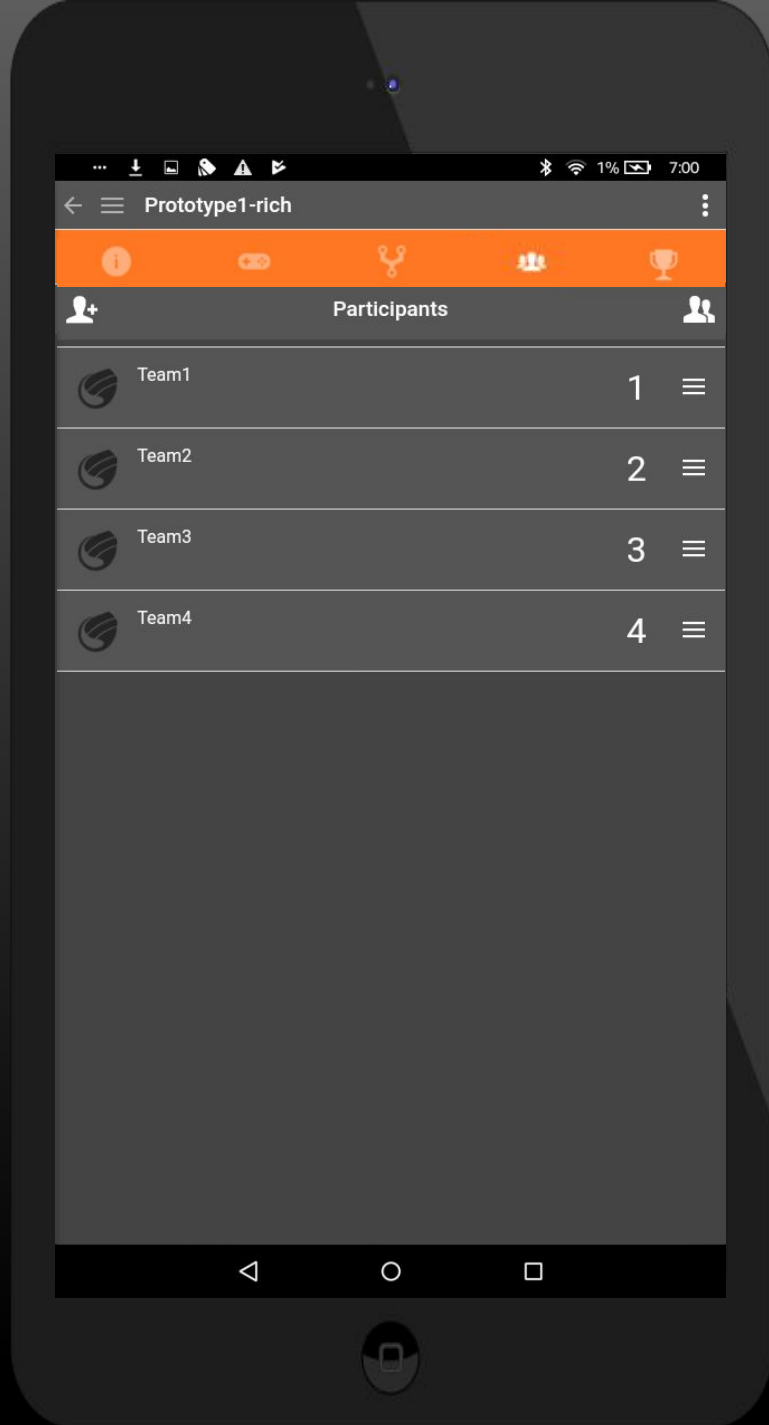
ournament_menu
_Status_Finalize



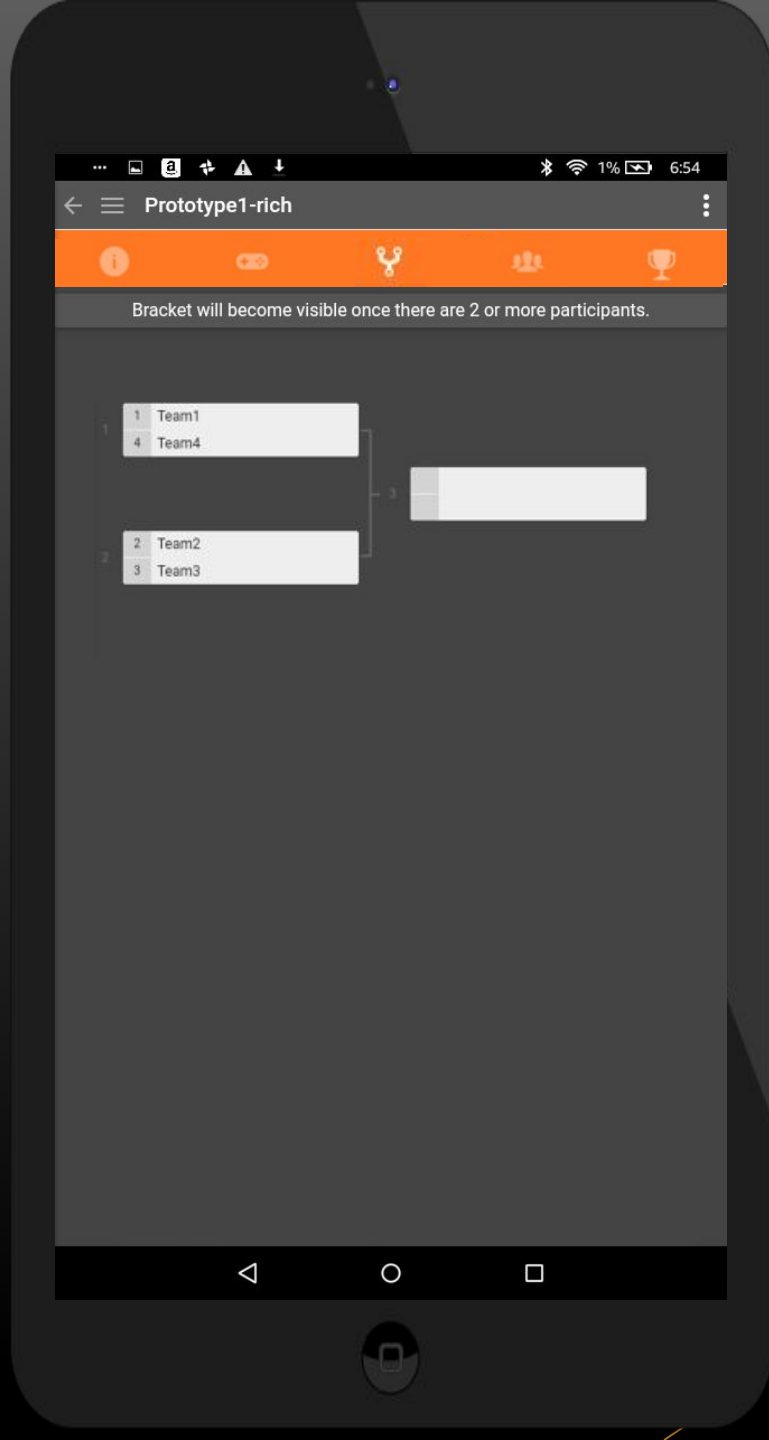
Participants_Menu
Participants_Add



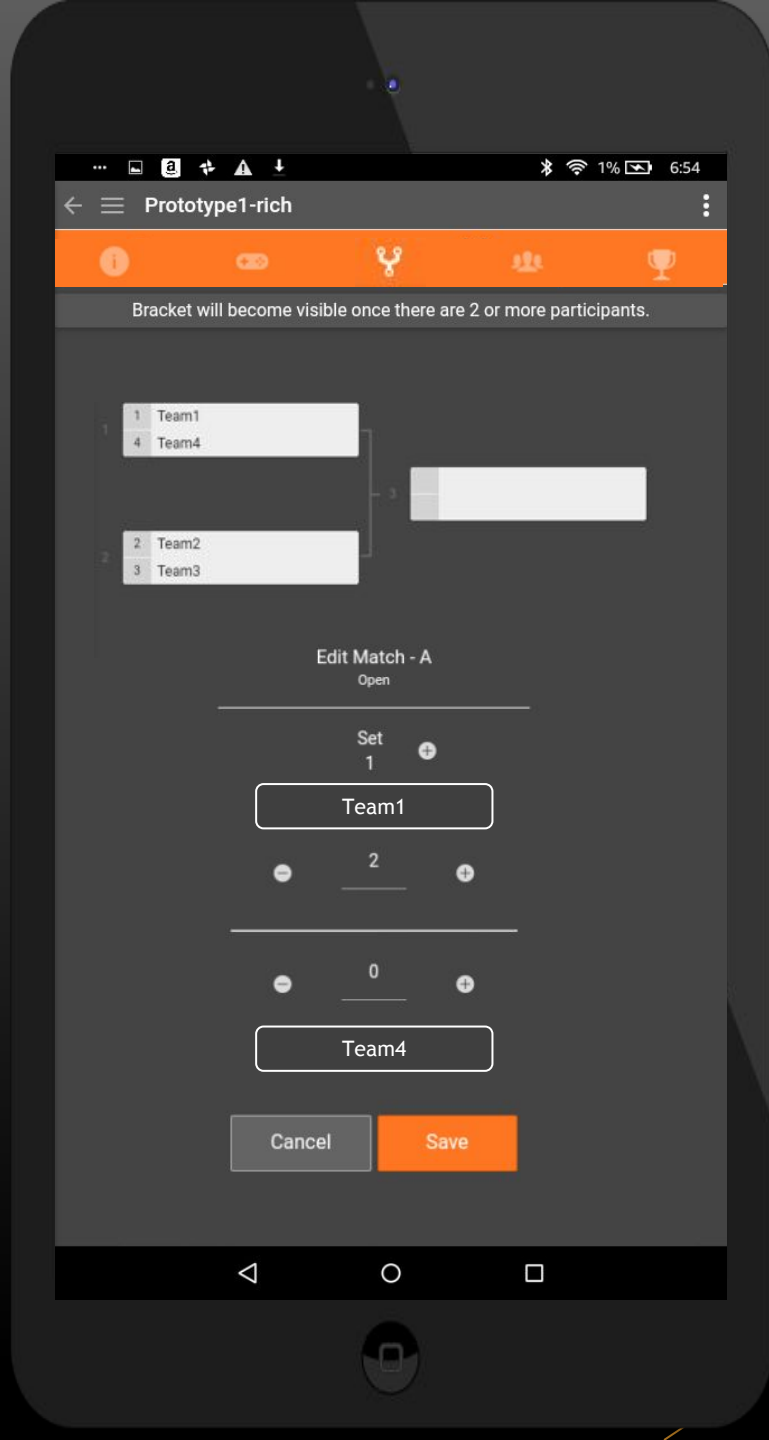
JournalMenu_Menu
_Participants_Finis
hed



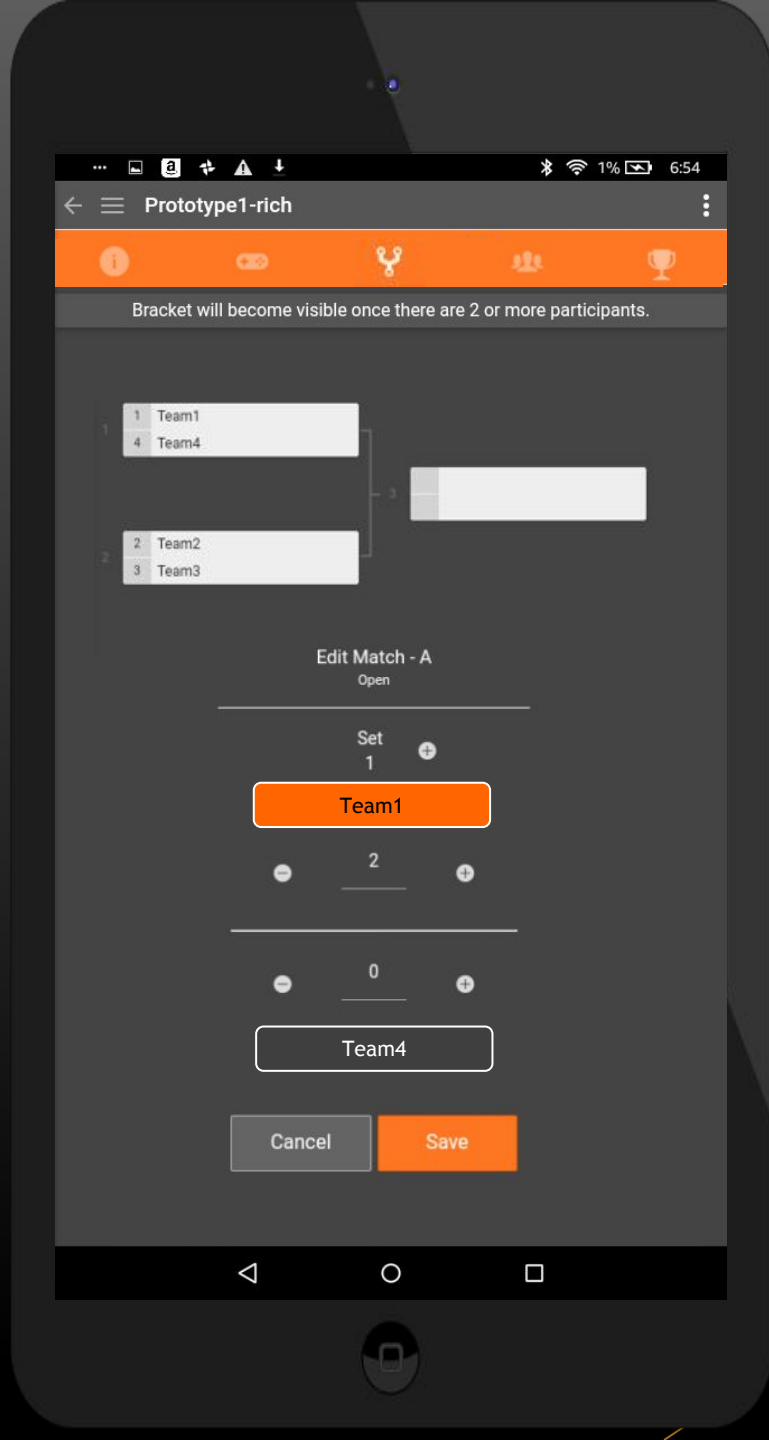
ournament_menu
_Bracket_Started



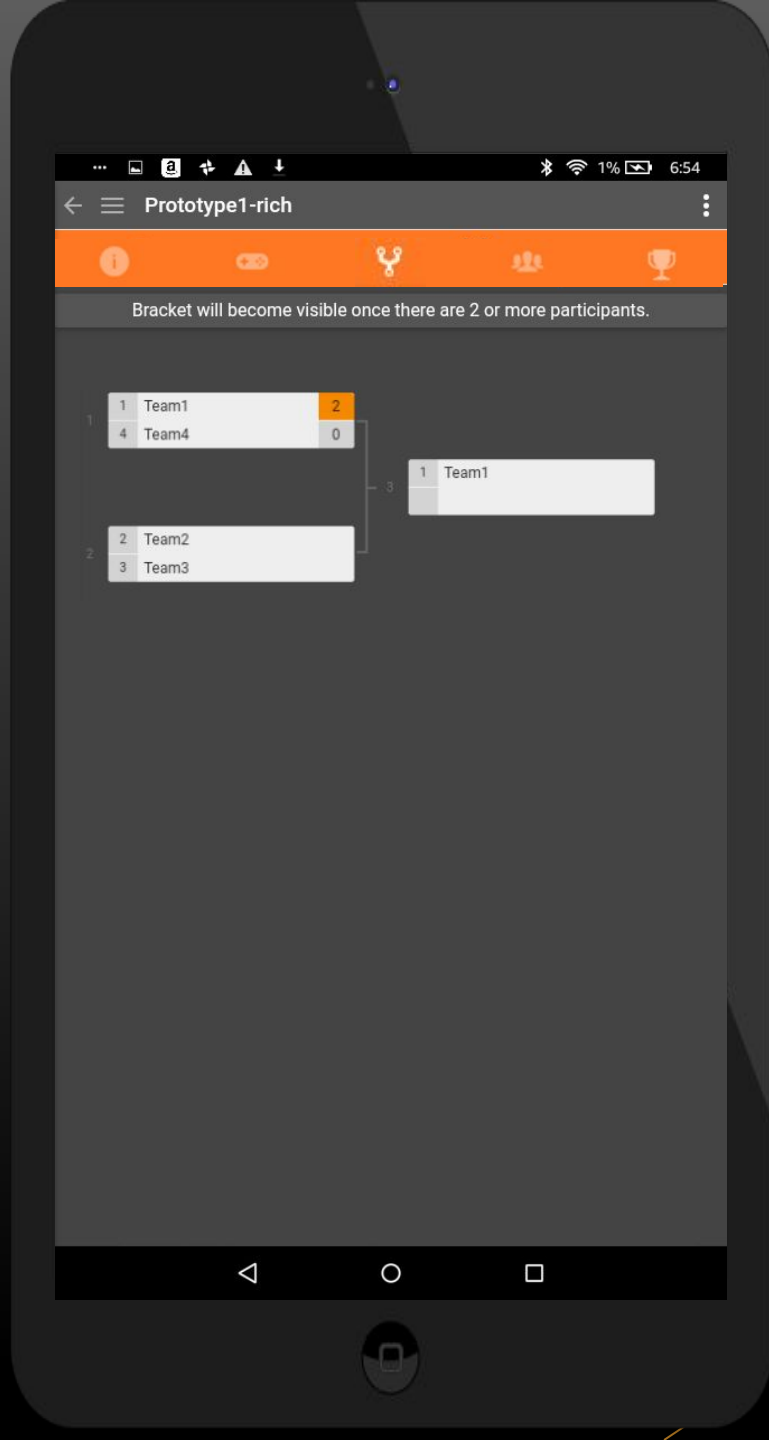
Performance_menu
Bracket_Started_
MatchA



Performance_menu
Bracket_Started_
MatchA_Score



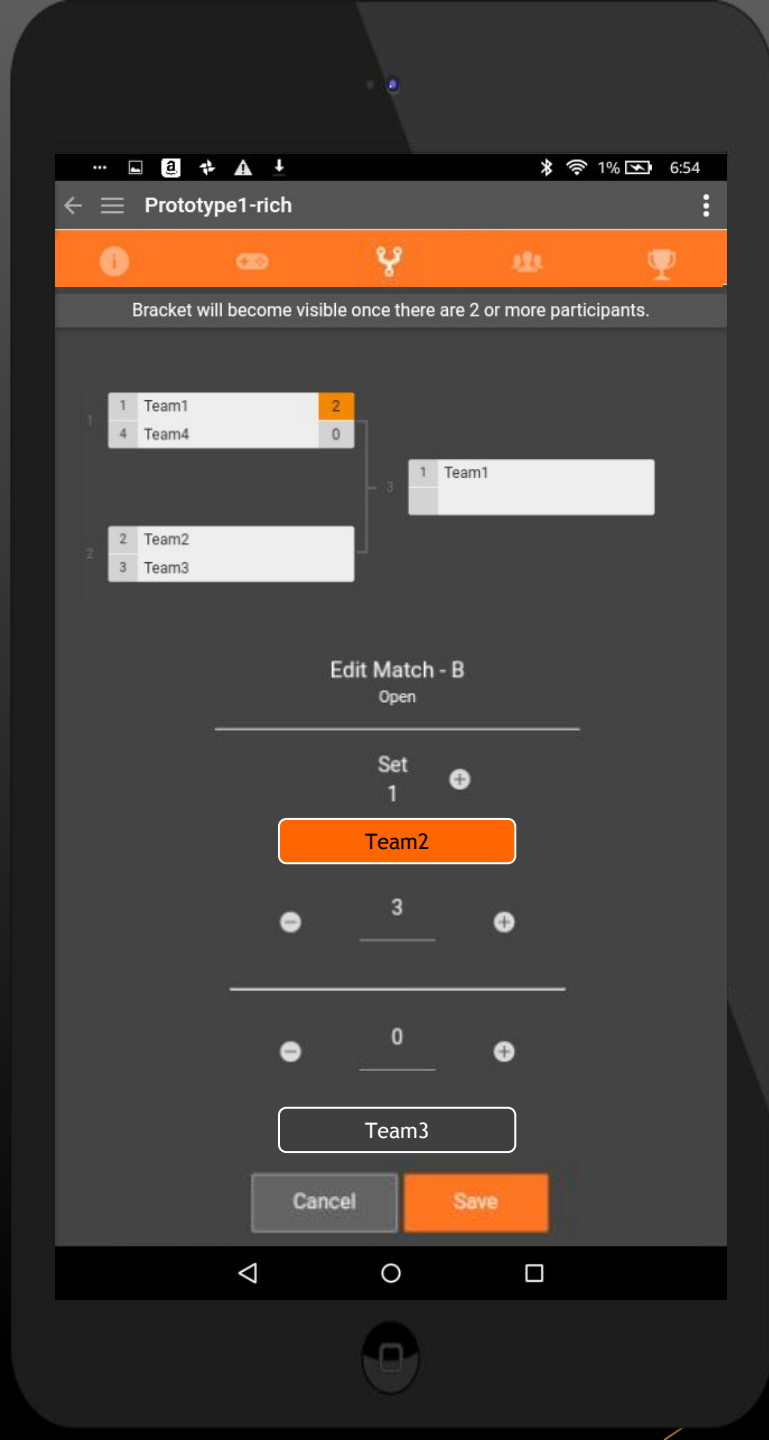
ournament_menu
_Bracket_Started2



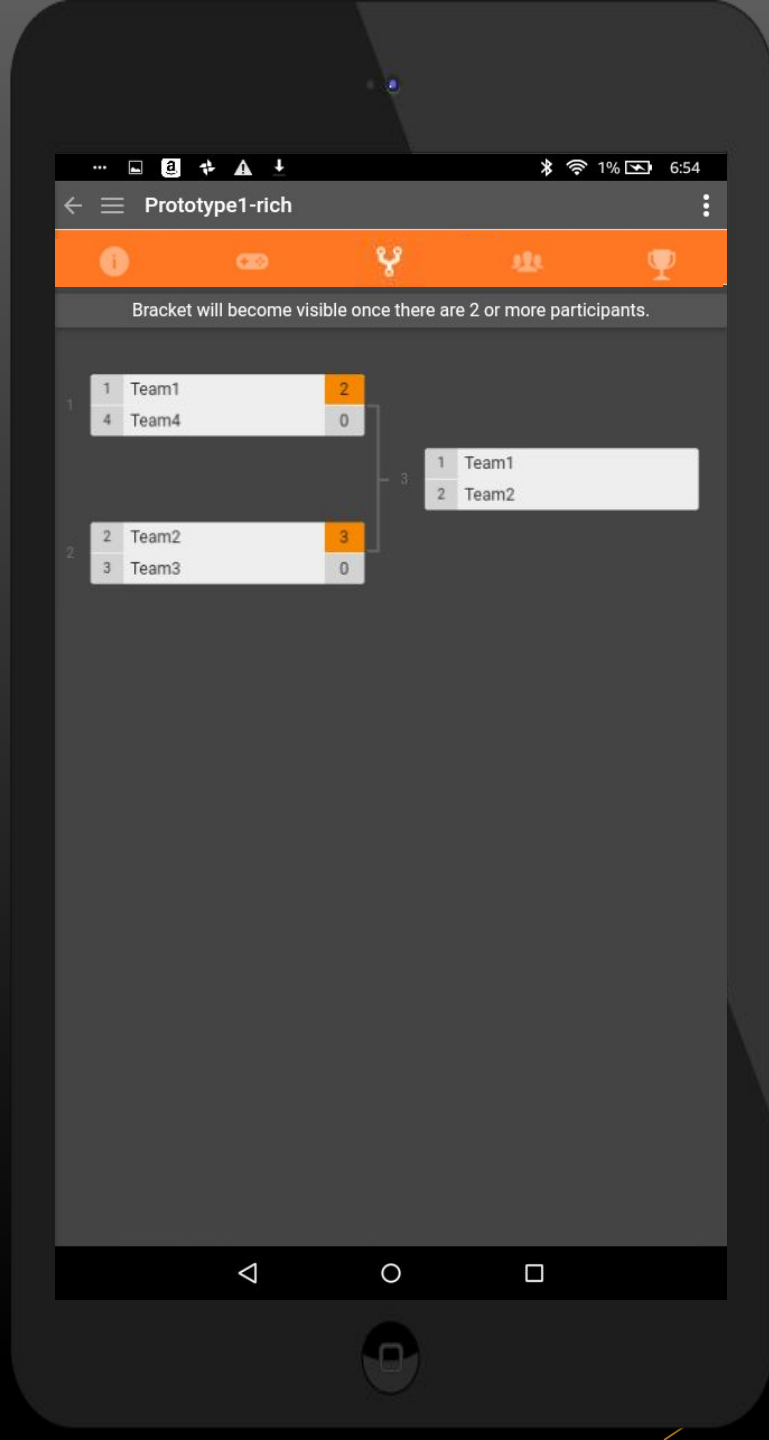
onMenuItemClick_menu
_Bracket_Started_
MatchB



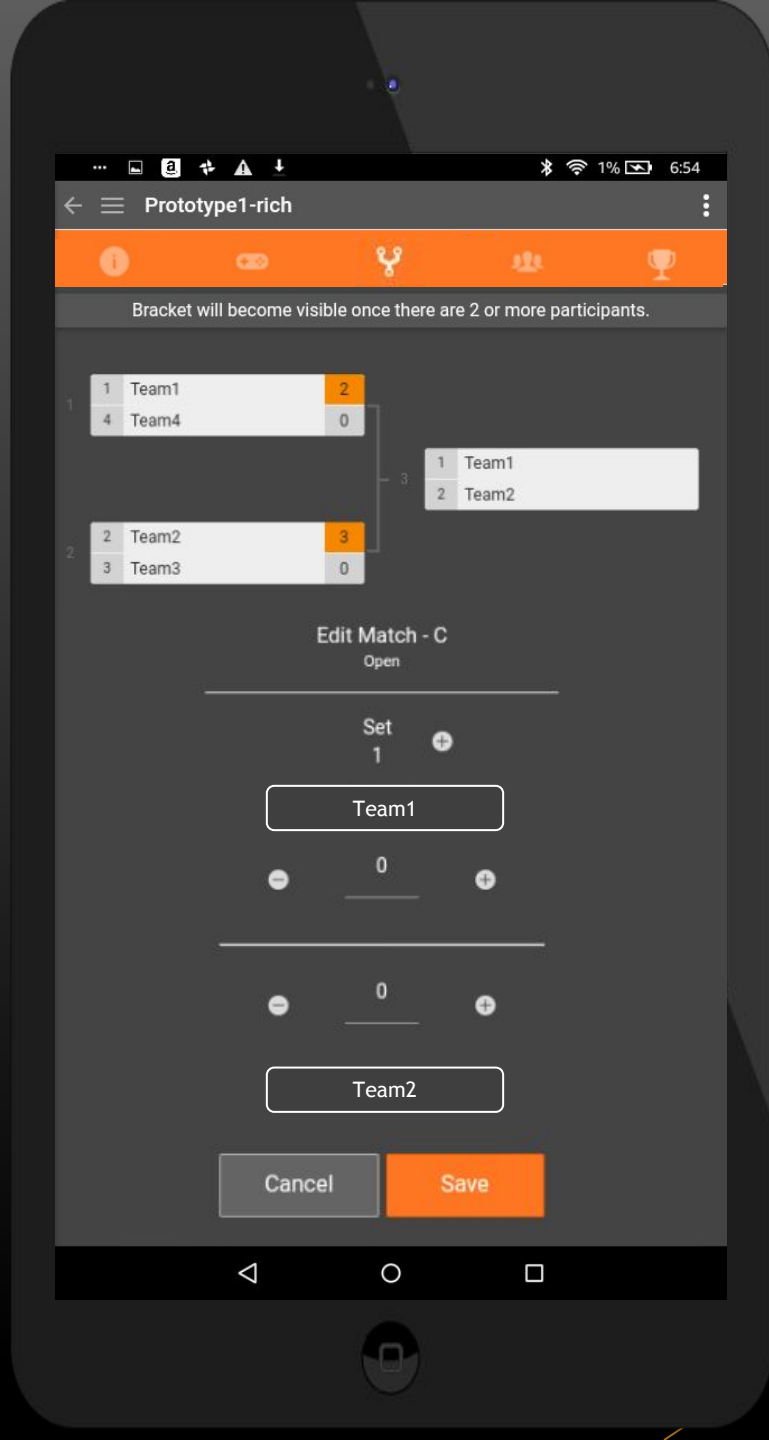
onParticipantMenu
_Bracket_Started_
MatchB_Score



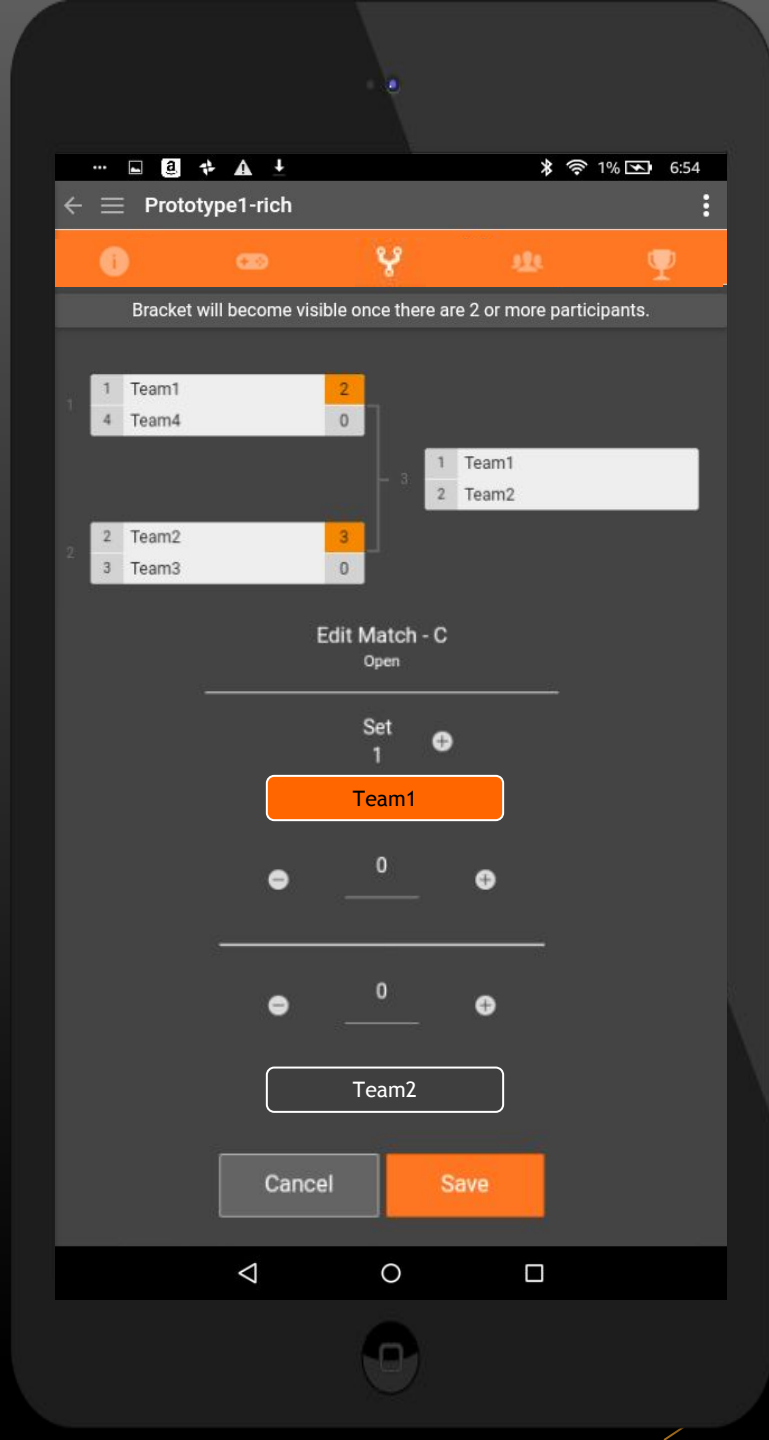
ournament_menu
Bracket_Started3



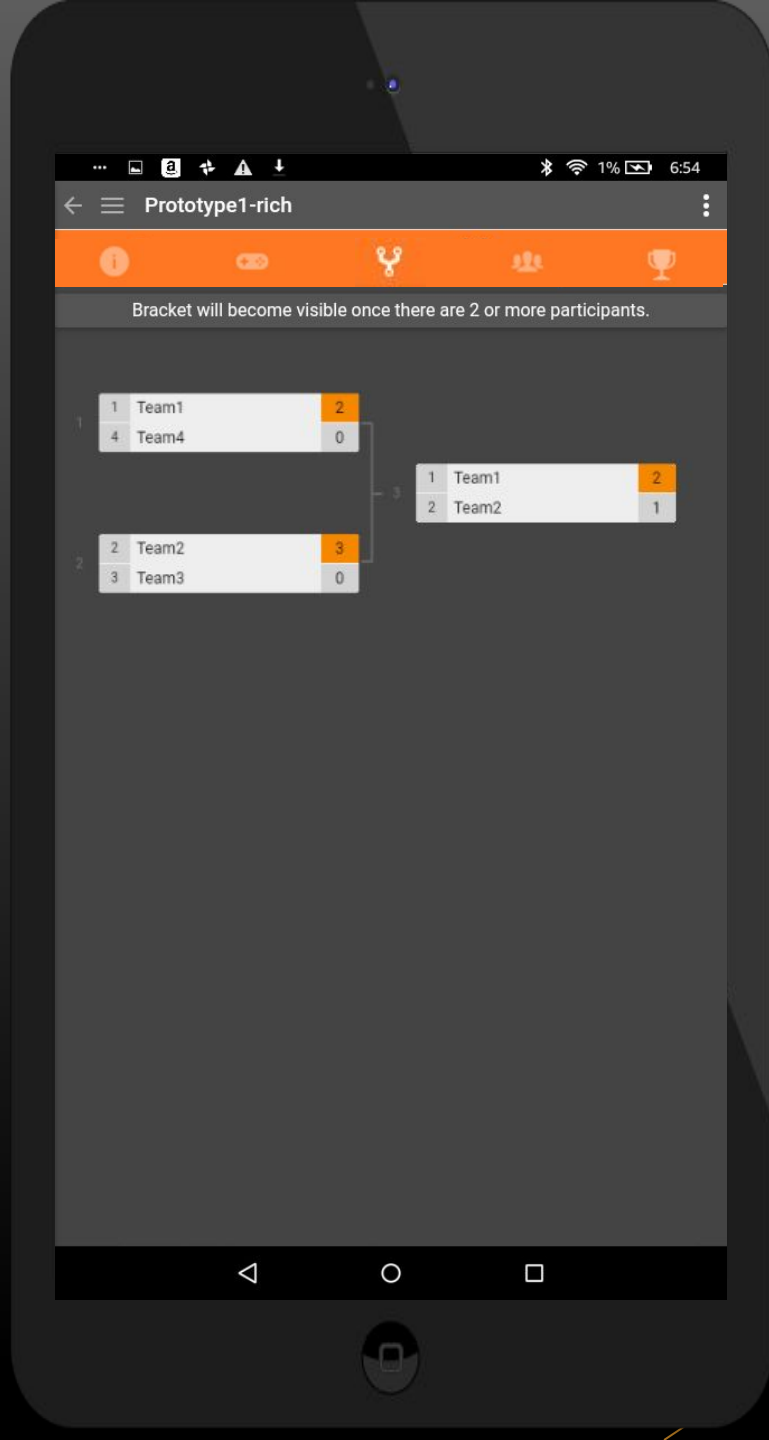
Dynamic Menu
Bracket_Started_
MatchC

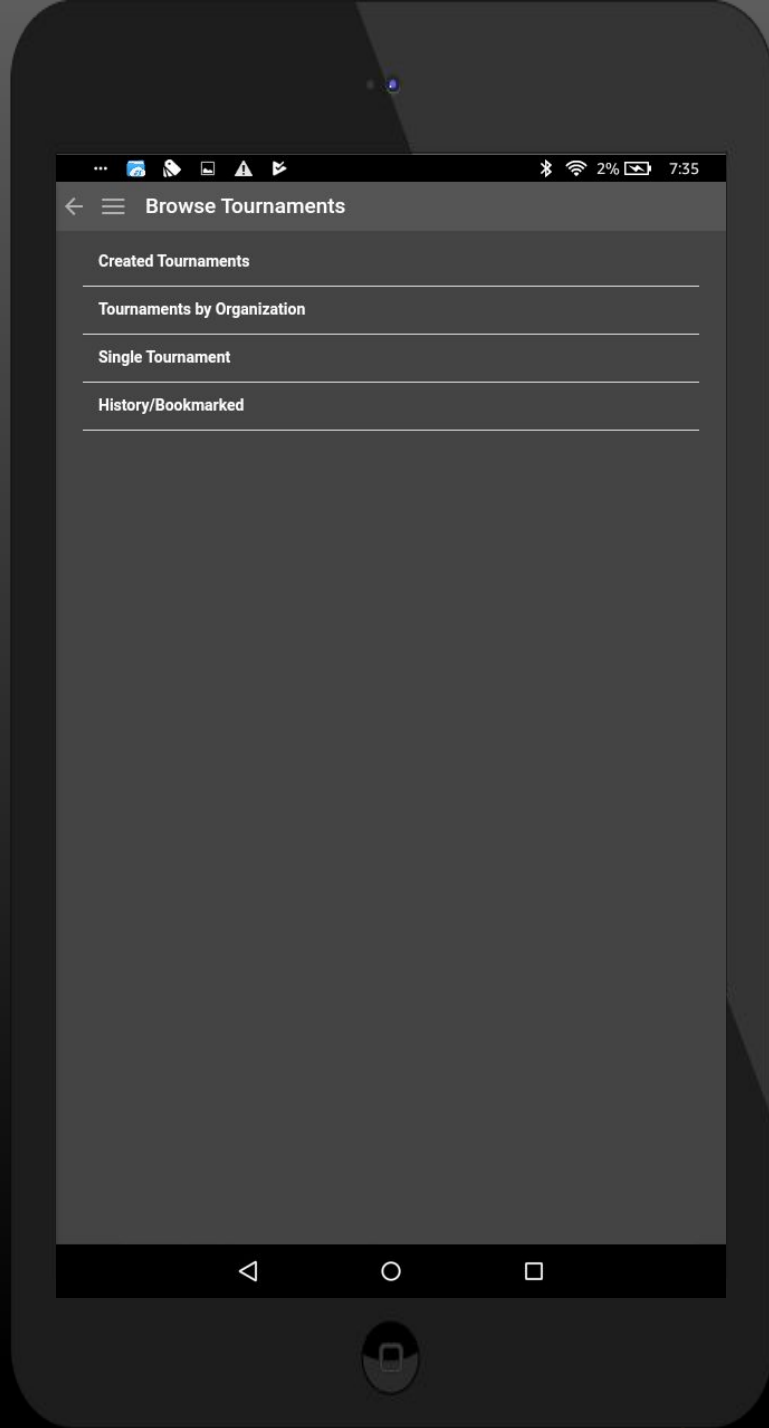


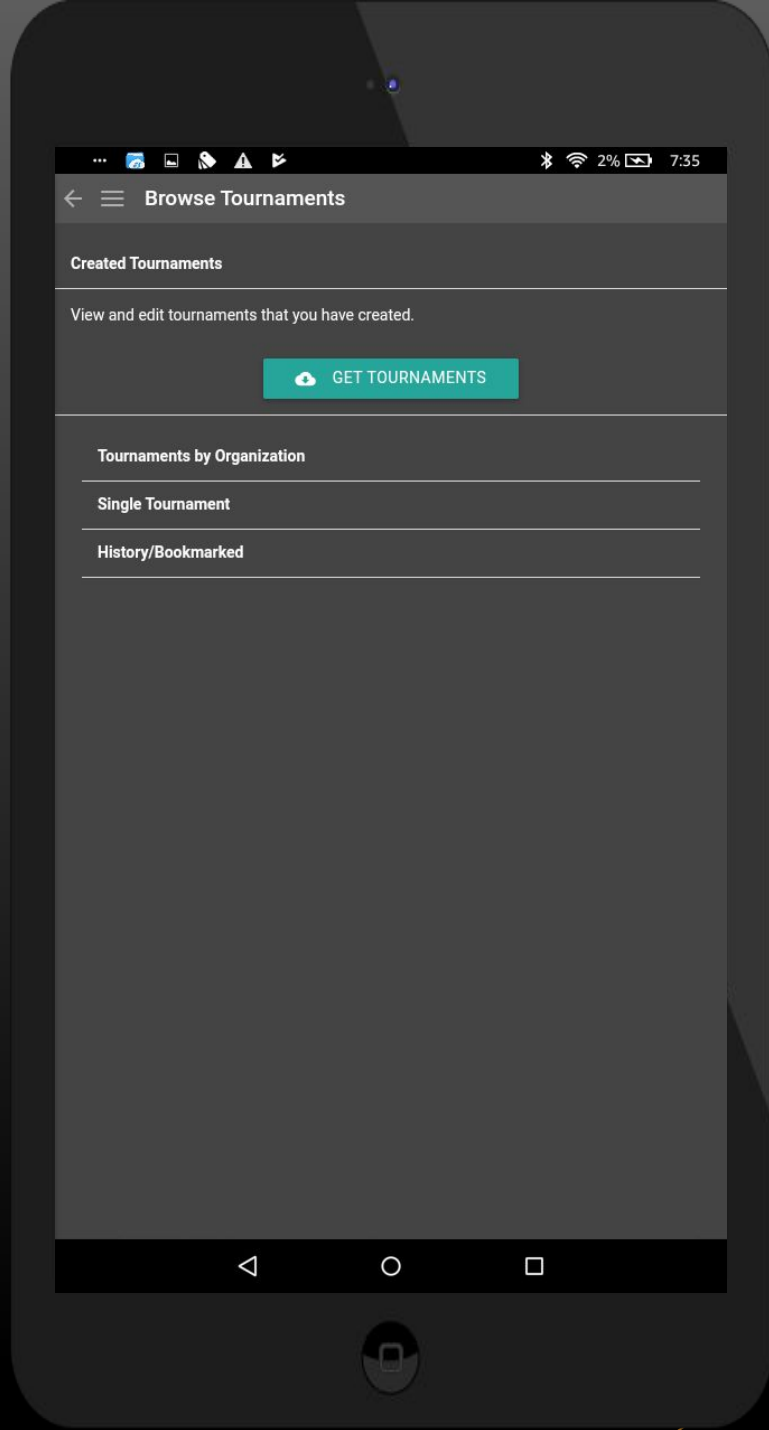
ournament_menu
Bracket_Started_
MatchC_Score



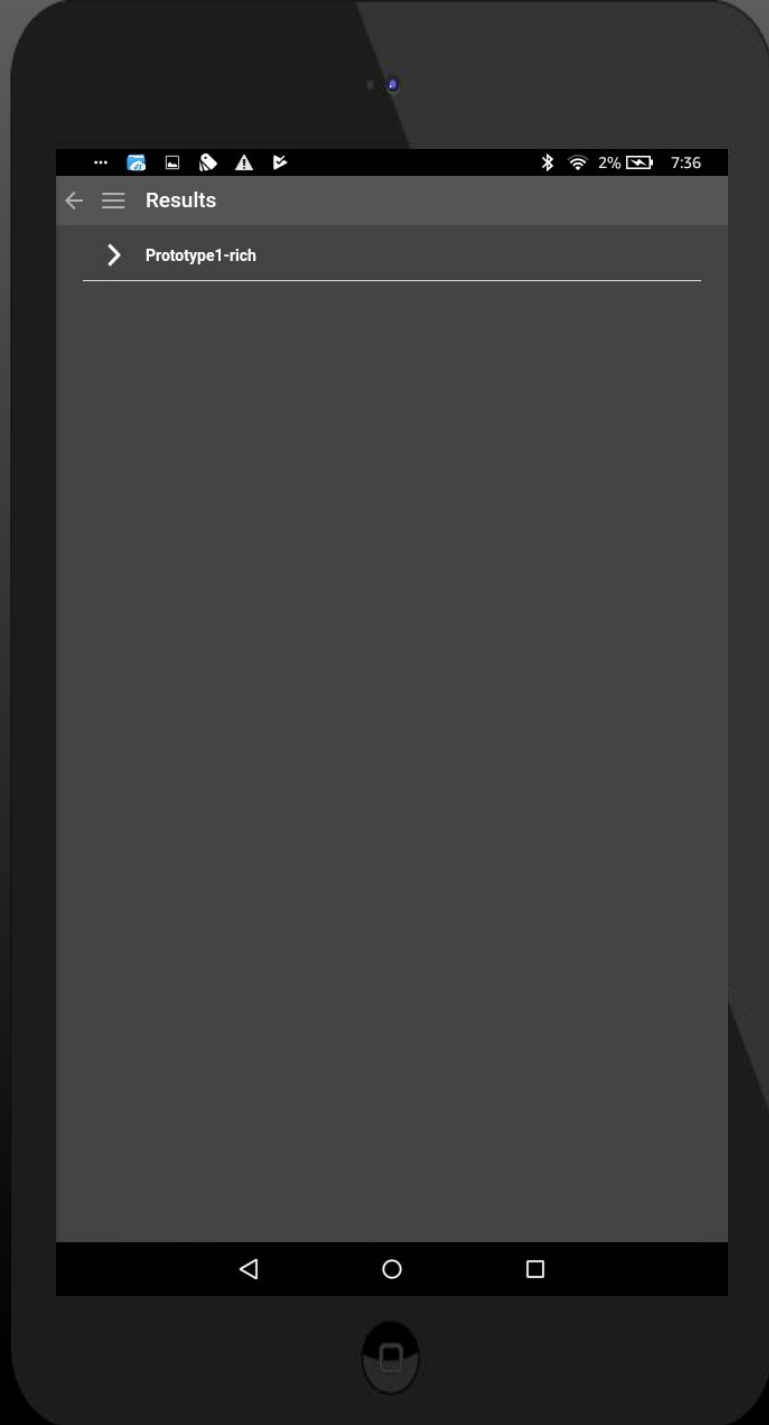
ournament_menu
_Bracket_Started4



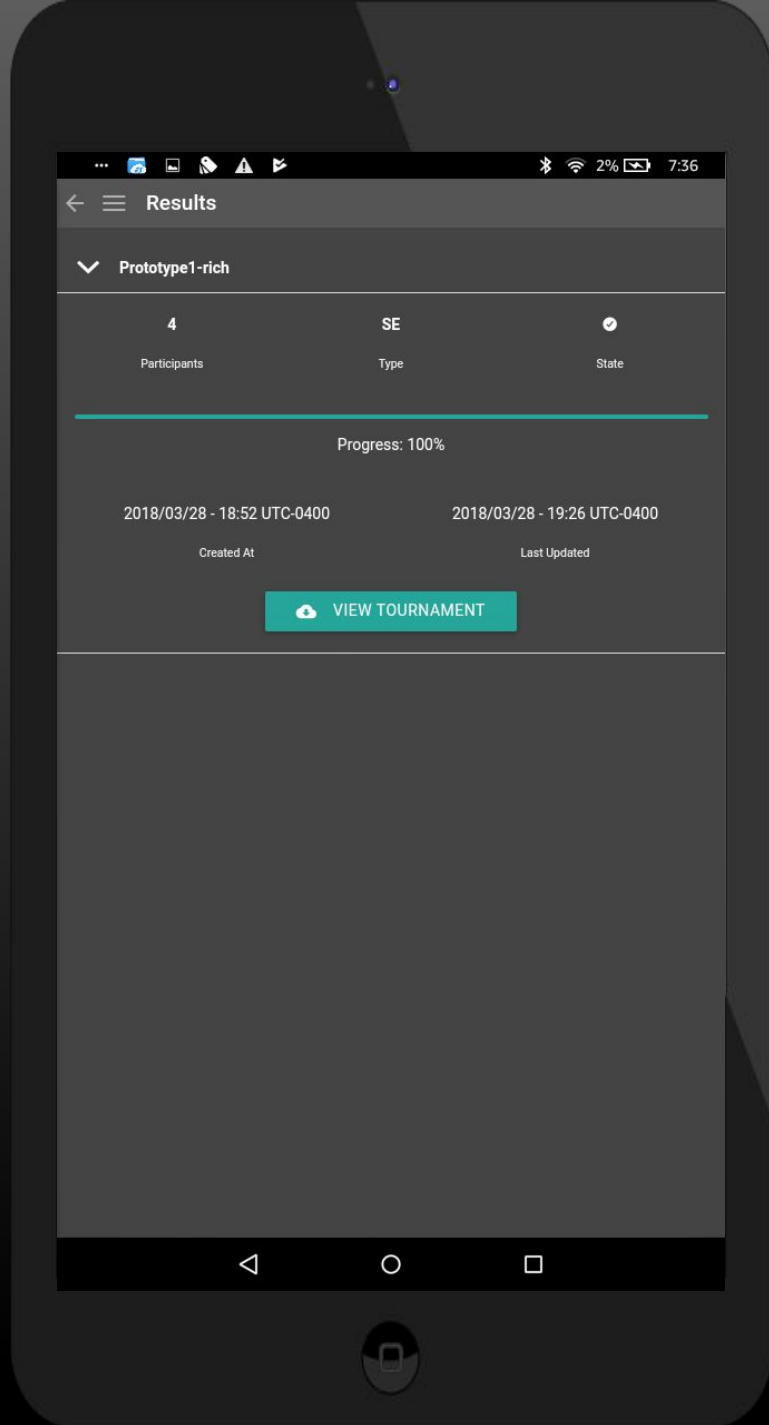




2015-2016
Tournament



tournament_view



End of Presentation