

# cryptoTrack

Group 11



# cryptoTrack

Group Members:

- Tyree Pearson
- Gregory Arbouзов
- Jonathan Kizer

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## Goal:

- Easily access prices of the most popular cryptocurrencies
- Quickly view the value of current holdings
- Track the “top performers” over a certain time horizon

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## Target Audience:

- People who are newly interested in cryptocurrencies
- New cryptocurrency traders
- Experienced traders that want a lightweight client to view prices and trends

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## Application Functionality:

- Quickly view currencies with 3D Touch shortcut
- Top Performers to see which currencies are growing
- View currencies in both USD and BTC (bitcoin)
- Track current value of cryptocurrency holdings

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## Application Challenges Experienced:

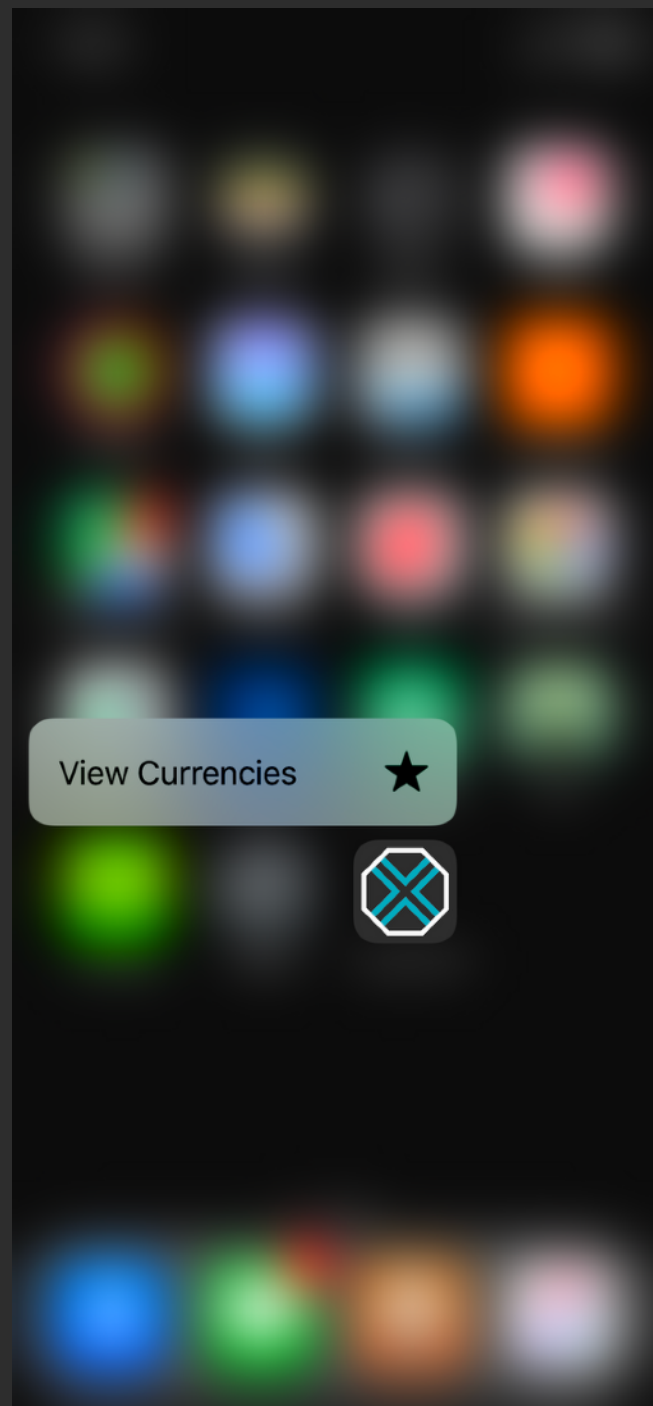
- Fetching and parsing current cryptocurrency prices
- Fetching Firebase data if appropriate
- Parsing and calculating values before views load

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## Group Member Contributions:

- Greg Arbouзов
  - User creation/login system
  - Cryptocurrency fetching
- Tyree Pearson
  - Settings page
  - Cryptocurrency parsing
- Jonathan Kizer
  - Cryptocurrency value calculation
  - Firebase integration

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- 3D Touch on icon to quickly access currency information



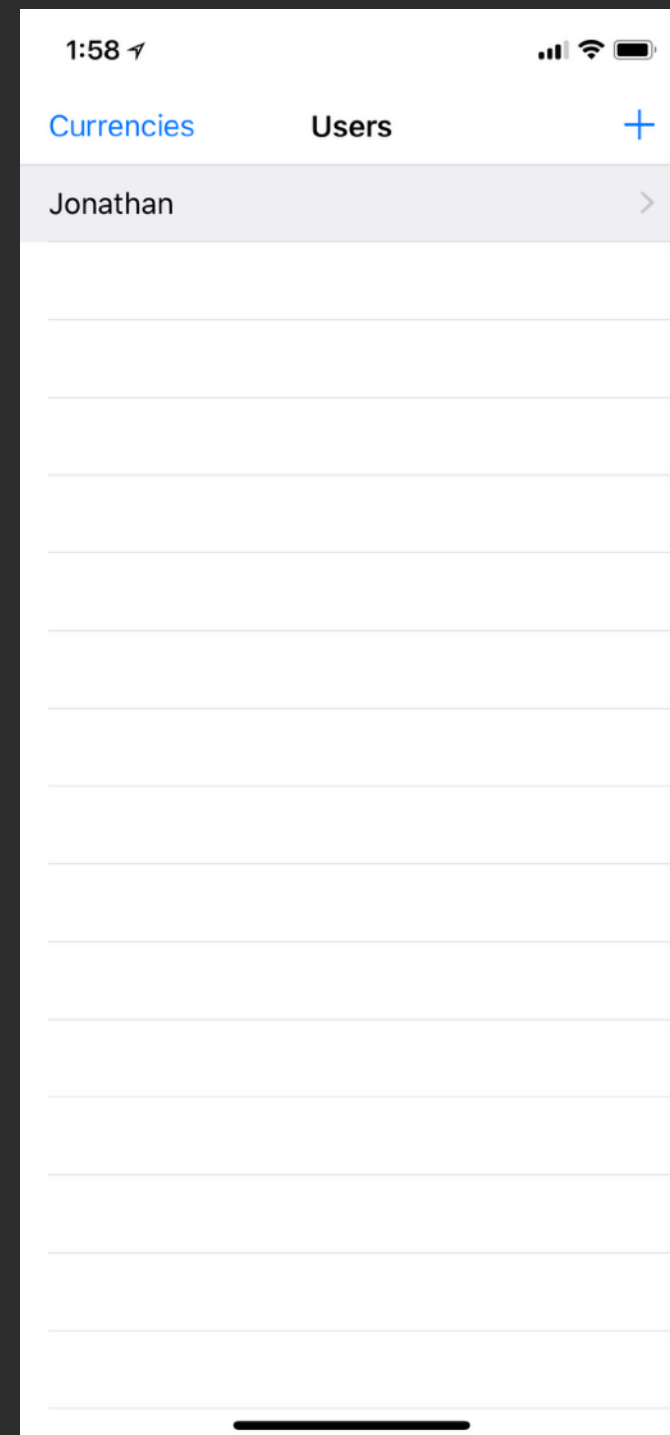
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1:58	Log In	Quick View
Top Performers		
1: Ethereum Classic		9.12%
2: Waves		5.52%
3: Stellar Lumens		5.37%
Bitcoin		\$10,011.20
BTC		\$167,298,785,014.00
Ethereum		\$439.48
ETH		\$42,212,499,160.00
Bitcoin Cash		\$1,313.40
BCH		\$22,105,342,875.00
Ripple		\$0.25
XRP		\$9,472,065,854.00
Dash		\$778.60
DASH		\$6,010,777,054.00
Bitcoin Gold		\$294.61
BTG		\$4,914,257,934.00

- Quick View allows users to view currency information quickly and without logging in

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- User login system
  - Tap “+” to create a new user
  - Tap “Currencies” to quickly check currency trends



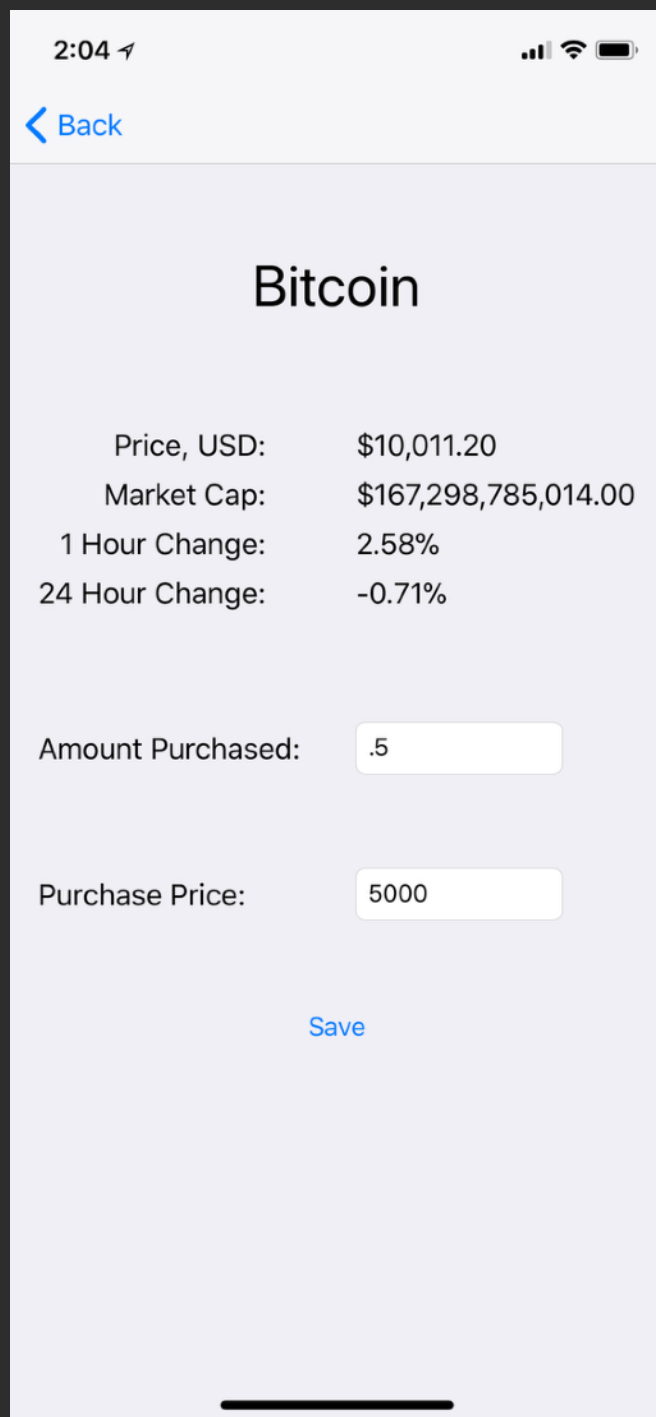
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- Upon logging in...
  - User can view currency information
  - Top Performers
  - Value of their holdings

The screenshot shows the cryptoTrack mobile app interface. At the top, there's a status bar with the time 1:59 and signal/battery icons. Below that is a navigation bar with 'Log Out', 'Currencies', and 'Settings' links. The main content area is divided into two sections. The first section, titled 'Top Performers', lists three cryptocurrencies: 1: Ethereum Classic (9.12%), 2: Waves (5.52%), and 3: Stellar Lumens (5.37%). Below this is a 'Value of Holdings' section showing a total of \$2,505.60. The second section is a list of various cryptocurrencies with their current prices and a right arrow for more details. The list includes Bitcoin (\$10,011.20), BTC (\$167,298,785,014.00), Ethereum (\$439.48), ETH (\$42,212,499,160.00), Bitcoin Cash (\$1,313.40), BCH (\$22,105,342,875.00), Ripple (\$0.25), XRP (\$9,472,065,854.00), Dash (\$778.60), DASH (\$6,010,777,054.00), and Bitcoin Gold (\$294.61).

1:59		Log Out	Currencies	Settings
Top Performers				
1: Ethereum Classic	9.12%			
2: Waves	5.52%			
3: Stellar Lumens	5.37%			
Value of Holdings:		\$2,505.60		
Bitcoin	\$10,011.20			
BTC	\$167,298,785,014.00			
Ethereum	\$439.48			
ETH	\$42,212,499,160.00			
Bitcoin Cash	\$1,313.40			
BCH	\$22,105,342,875.00			
Ripple	\$0.25			
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Dash	\$778.60			
DASH	\$6,010,777,054.00			
Bitcoin Gold	\$294.61			

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The screenshot shows a mobile app interface for tracking Bitcoin. At the top, there's a status bar with the time 2:04 and signal/battery icons. Below that is a blue back arrow and the text 'Back'. The main title 'Bitcoin' is centered. A table of statistics follows: Price, USD (\$10,011.20), Market Cap (\$167,298,785,014.00), 1 Hour Change (2.58%), and 24 Hour Change (-0.71%). Below the table are two input fields: 'Amount Purchased' with a value of .5, and 'Purchase Price' with a value of 5000. A blue 'Save' button is at the bottom.

Price, USD:	\$10,011.20
Market Cap:	\$167,298,785,014.00
1 Hour Change:	2.58%
24 Hour Change:	-0.71%

Amount Purchased:

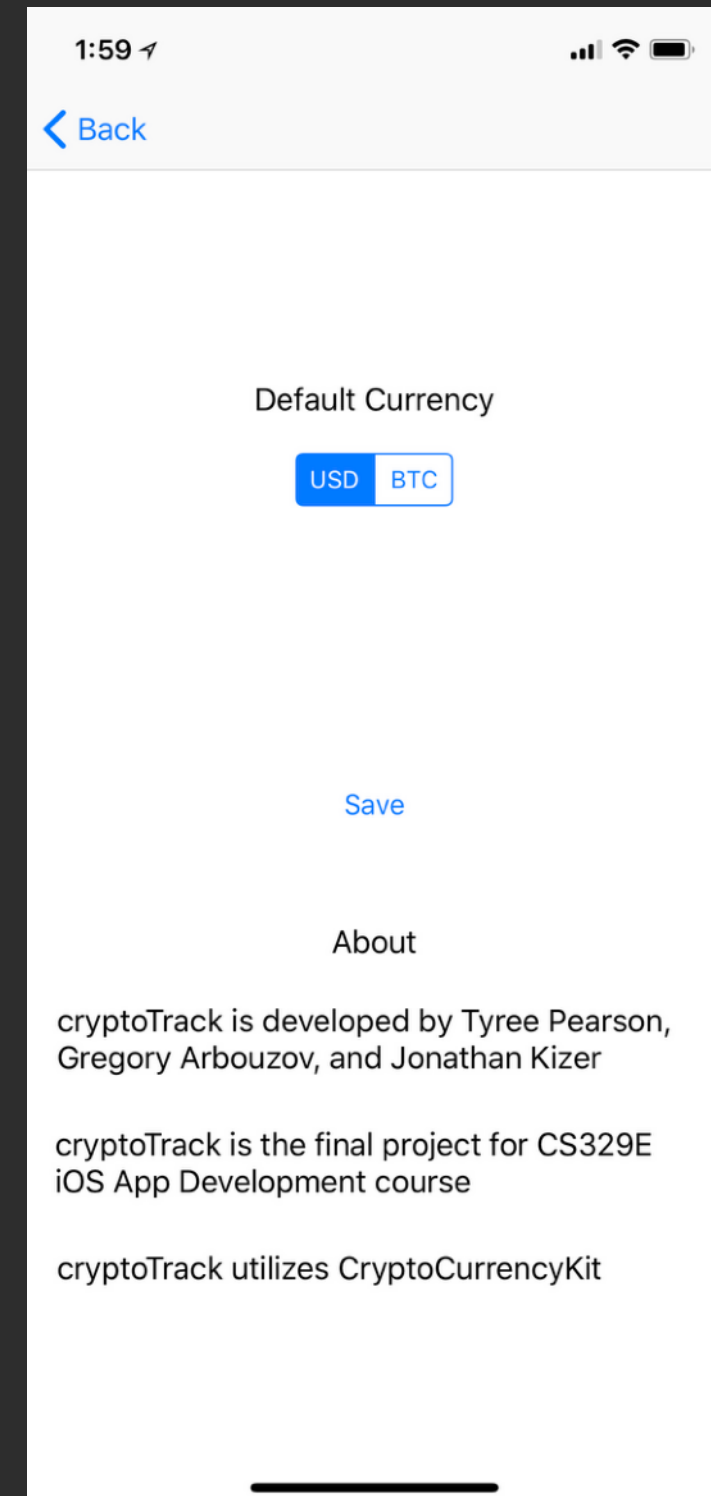
Purchase Price:

[Save](#)

- Tapping on a specific currency allows you view more information, and add holdings information

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- User is able to choose whether currencies are displayed in USD or BTC



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## Demo

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Q&A