

# VALR Website test

## Part 1: Home Screen & Search

### Requirements

Duplicate the page below, ignoring the red sections. If at any point in time you have any questions, feel free to ask, communication is key.

You only need to support searching for block hashes in the search and the same functionality should work as is currently where if you search for:

00000000000000000005ca55a40c80213c61e5dfc6a5c2d6d38263303ead1468, then it should take you to the block screen:

<https://www.blockchain.com/btc/block/00000000000000000005ca55a40c80213c61e5dfc6a5c2d6d38263303ead1468>

The screenshot shows the Blockchain.com Block Explorer interface. The top navigation bar is redacted. The search bar at the top right is also redacted. The left sidebar menu is redacted, but the main content area is visible. The main content area displays the 'Latest blocks' table, which lists the most recent blocks mined on the Bitcoin network. The table has columns for Height, Hash, Mined, Miner, and Size. The first row shows a block at height 615894, mined 4 minutes ago by SlushPool, with a size of 918,291 bytes. The second row shows a block at height 615893, mined 15 minutes ago by AntPool, with a size of 178,292 bytes. The third row shows a block at height 615892, mined 18 minutes ago by an unknown miner, with a size of 29,471 bytes. The fourth row shows a block at height 615891, mined 18 minutes ago by F2Pool, with a size of 395,783 bytes. The fifth row shows a block at height 615890, mined 22 minutes ago by F2Pool, with a size of 97,227 bytes. The sixth row shows a block at height 615889, mined 23 minutes ago by an unknown miner, with a size of 833,324 bytes. The seventh row shows a block at height 615888, mined 25 minutes ago by F2Pool, with a size of 1,281,256 bytes. The eighth row shows a block at height 615887, mined 31 minutes ago by an unknown miner, with a size of 1,299,833 bytes. The ninth row shows a block at height 615886, mined 46 minutes ago by AntPool, with a size of 1,254,775 bytes. The tenth row shows a block at height 615885, mined 1 hour ago by F2Pool, with a size of 1,245,996 bytes. The eleventh row shows a block at height 615884, mined 1 hour ago by F2Pool, with a size of 1,274,789 bytes. The twelfth row shows a block at height 615883, mined 1 hour ago by ViaBTC, with a size of 1,164,527 bytes. The thirteenth row shows a block at height 615882, mined 2 hours ago by BTC.com, with a size of 1,265,342 bytes. The fourteenth row shows a block at height 615881, mined 2 hours ago by an unknown miner, with a size of 1,275,519 bytes. The fifteenth row shows a block at height 615880, mined 2 hours ago by F2Pool, with a size of 1,259,633 bytes.


Height	Hash	Mined	Miner	Size
615894	0..5ca55a40c80213c61e5dfc6a5c2d6d38263303...	4 minutes	SlushPool	918,291 bytes
615893	0..301b51c3fb051379367201e45c8c91273cba118...	15 minutes	AntPool	178,292 bytes
615892	0..63d805b7b10774cefe9b990759086163f2cdc7...	18 minutes	Unknown	29,471 bytes
615891	0..fb9f3d300511339ca046efd78bc2dbfa95c1fa28...	18 minutes	F2Pool	395,783 bytes
615890	0..108a4664f1e8d733dd32ec145c0d846752ed85...	22 minutes	F2Pool	97,227 bytes
615889	0..e26c52701d41236d4773deb88416ed289b095...	23 minutes	Unknown	833,324 bytes
615888	0..fd2070184ece47ebde0f9bb6969f8161caf7dab2...	25 minutes	F2Pool	1,281,256 bytes
615887	0..66ff804ec005d5b4908158d7fea748ba275ffed...	31 minutes	Unknown	1,299,833 bytes
615886	0..142f7eb7a09881de5d825fa303ad553259fd59e...	46 minutes	AntPool	1,254,775 bytes
615885	0..285dd6bc02245d96dd51f87d34db155b30308...	1 hour	F2Pool	1,245,996 bytes
615884	0..43ad0006b21e1d6f1138c7caa8ff38311eaf8680...	1 hour	F2Pool	1,274,789 bytes
615883	0..a5531718f07117844002822e843ac1f919c37e2...	1 hour	ViaBTC	1,164,527 bytes
615882	0..7aca891d128a263806ad34bc7e97315efb487e...	2 hours	BTC.com	1,265,342 bytes
615881	0..10761f5825d3abc61de220ba3eb5eab92200b21...	2 hours	Unknown	1,275,519 bytes
615880	0..90318f6e51e4dbe0f5fd4f84d774f53217c851ed...	2 hours	F2Pool	1,259,633 bytes

Only the block hashes in the above screenshot need to be clickable and should take you to the same page as the search would have done.

## Important notes

- Blockchain.com's API is using CORS headers which will prevent their endpoints from being called directly. To overcome this, [please install and activate this CORS extension for chrome](https://chrome.google.com/webstore/detail/allow-cors-access-control/lhobafahddgcelffkEICBAGINIGEEJLF?hl=en) (<https://chrome.google.com/webstore/detail/allow-cors-access-control/lhobafahddgcelffkEICBAGINIGEEJLF?hl=en>)
- Please avoid using style component libraries (eg bootstrap, material UI) for this project. We'd like you to replicate the designs below as faithfully as possible using your own css. You are permitted to use a css-in-js solution eg. [styled-components](https://styled-components.com/) (<https://styled-components.com/>)
- Not all of the information shown below is available straight from the API responses. Some data is derived or aggregated from multiple sources. You will need to do some digging!
- The search section only needs to support searching for BTC block hashes, don't implement searching for ETH or BCH.


## Block screen



BTC / Block	
Block at depth 615894 in the Bitcoin blockchain	
Hash	00000000000000000005ca55a40c80213c61e5dfc6a5c2d6d38263303ead1468
Confirmations	2
Timestamp	2020-02-04 06:34
Height	615894
Miner	SlushPool
Number of Transactions	2,091
Difficulty	15,466,098,935,554.65
Merkle root	4f16170a2d004c7835ae26615e4865598f0bf36a9d2550307058155ef1c034bc
Version	0x20c00000
Bits	387,068,671
Weight	2,928,570 WU
Size	918,291 bytes
Nonce	63,746,160
Transaction Volume	4309.69952952 BTC
Block Reward	12.50000000 BTC
Fee Reward	0.09776762 BTC

## Part 2: Transactions

### Transactions

			
Hash	ad0895632b4ad17b9902bf5d3b51c2b1744691f2b4c53157600b3a...		2020-02-04 06:34
	COINBASE (Newly Generated Coins)	➔	1CK6KHY6MHgYvmRQ4PAafKYDrg1ejbHtCE 12.59776762 BTC
			OP_RETURN 0.00000000 BTC
			OP_RETURN 0.00000000 BTC
Fee	0.00000000 BTC (0.000 sat/B - 0.000 sat/WU - 290 bytes)		12.59776762 BTC
			2 Confirmations
Hash	0c1b2b93abb8eddb43c420b46362618776f78f9577cca686a272a7...		2020-02-04 06:29
	bc1qwqdg6squsna38e46795at95yu9atm8azz... 0.01030895 BTC	➔	3NzmHZFNsdP1y3p6BtHKdJuvQKrsRcAPA 0.00511700 BTC
			bc1qwqdg6squsna38e46795at95yu9atm8azz... 0.00429195 BTC
Fee	0.00090000 BTC (236.842 sat/B - 118.734 sat/WU - 380 bytes)		0.00940895 BTC
			2 Confirmations
Hash	2bf1d541d9ce7d8e10cbe75e238d0aa6cd922e1bae710b36bb66a7d...		2020-02-04 06:30
	bc1qjl6rlsrhx0cd5fu2zsla02utdj6t2auwl98vd 0.24051003 BTC	➔	1MYSzDwJD2KtJWWuwYKrb4hGMX1Kk472Mj 0.00053000 BTC
	bc1qjxdejnt9khzfvpm4ghhm3rtjl2r5cwl03x0q55 0.22135603 BTC		35Av5hvpLdJZPYIVXzcVxBWznwoLSnBDqS 0.00834893 BTC
			3QHchqGTnCY1PWx8CDbb1NCpSDCW8Zohfw 0.01098068 BTC
			18kAXPgZuQrgjAWJGLxTn7SPHr7tRac2iv 0.04547133 BTC
			33u66TKfVf5UfVhUhtWtVy7ni6tjEFzWQ 0.18881438 BTC
			bc1qaxd67vvfwymgevt8z3gke6rarkrc50yp42... 0.20671166 BTC

You can have a **simplified version of the above transactions** section at the bottom of the block screen, where you only show the Hash, from address, to address(s) and amounts. No links need to be clickable on this page.