Computing Coursework 2018

Planning

Initial transcript

Client

so basically, Crypto Exchanges have APIs

I was wondering if it would be possible to create a desktop app that collates all of these into one manageable portfolio

I cannot find a windows PC version of any manager out there

and certainly not one that imports using the Apis provided by the exchanges

Me

hmm like information on the current exchange rate?

Client

yeah, and pulls the current amount of stock you hold in each coin

bittrex currently have one that I can use on an iOS app

Me

hmmm interesting - I mean it would need to integrate with wallets which would be more complex -> though why not just use a website to look up this stuff?

Client

I have 5 different exchanges

about 10 coins on each,

keeping the value of each and the percentage profit is a nightmare

especially if I'm day trading

I just need a better way of keeping track

Me

hmmm okay

would be interesting to work on - let me just have a look at the apis out there

Client:

Alrighty

Me:

so I just got bittrix on my phone and I see the market you mean - you sure there's no one of these for windows already?

Client:

They provide an API, which I have found only one app that can use it

There's one company called Delta which could potentially be releasing something

Just wondering what your thoughts on the whole situation were

Me:

I saw hmmm - i'll have a look at making a simple PoC and see how long it takes to integrate stuff together - looks like a fun project - and delta looks pretty good - I'm surprised no ones released a desktop version...

Client:

So am I, I would have thought they would release desktop before iOS or apps

Me:

mhm

I guess mobile is such a big market atm?

[...]

Design transcript

[...]

Client Brief

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MVP Plan

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Cryptolio - https://github.com/larion/cryptolio

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CryptoCompare - https://www.cryptocompare.com/portfolio/

General development model

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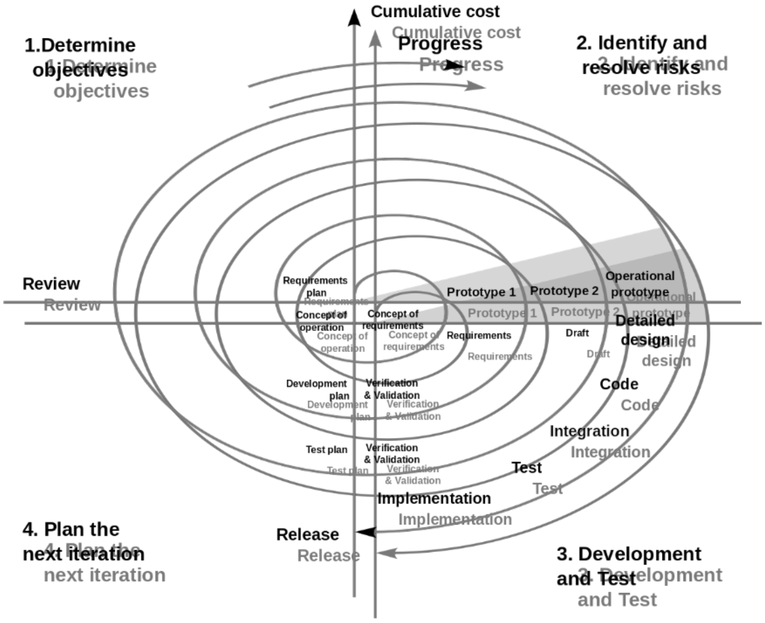

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Technologies needed

Language Choice

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- + Kery %ell utee

Disadvantages

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- – .lvtee +vurce
- – Lettrncie eetn(i & ttructure

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Advantages

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Disadvantages

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Advantages

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Disadvantages

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Boilerplate comparison

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Style choices

Testing framework

Hardware and software requirements

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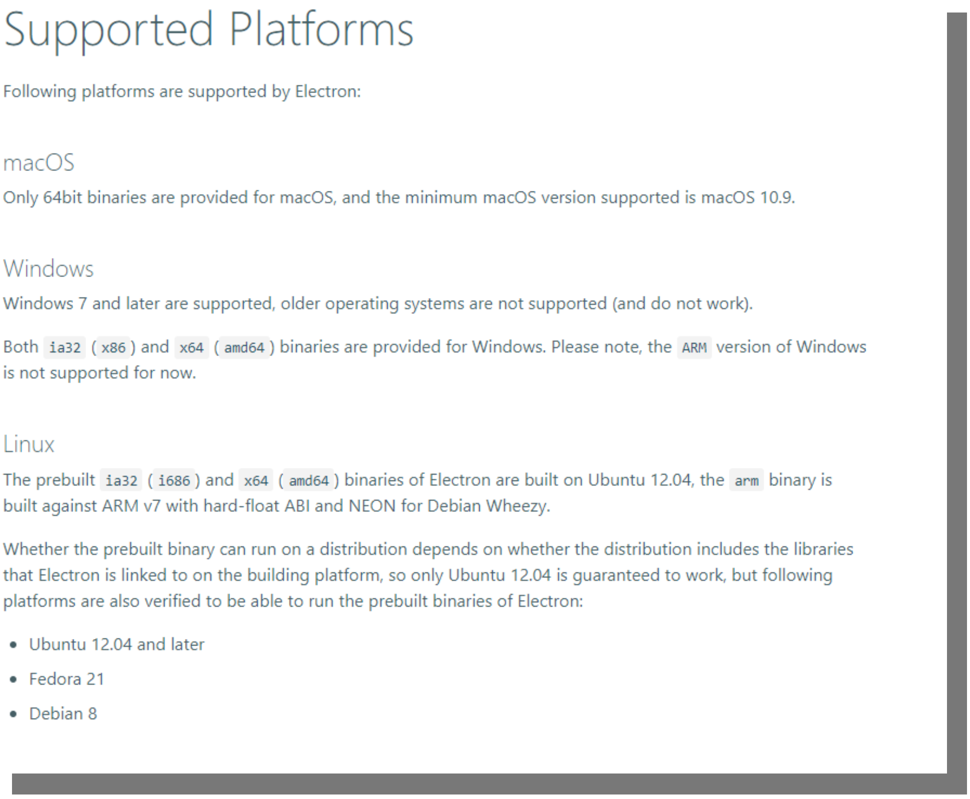

Supported Platforms

Following platforms are supported by Electron:

macOS

Only 64bit binaries are provided for macOS, and the minimum macOS version supported is macOS 10.9.

Windows

Windows 7 and later are supported, older operating systems are not supported (and do not work).

Both `ia32` (`x86`) and `x64` (`amd64`) binaries are provided for Windows. Please note, the `ARM` version of Windows is not supported for now.

Linux

The prebuilt `ia32` (`i686`) and `x64` (`amd64`) binaries of Electron are built on Ubuntu 12.04, the `arm` binary is built against ARM v7 with hard-float ABI and NEON for Debian Wheezy.

Whether the prebuilt binary can run on a distribution depends on whether the distribution includes the libraries that Electron is linked to on the building platform, so only Ubuntu 12.04 is guaranteed to work, but following platforms are also verified to be able to run the prebuilt binaries of Electron:

- Ubuntu 12.04 and later
- Fedora 21
- Debian 8

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Conclusion

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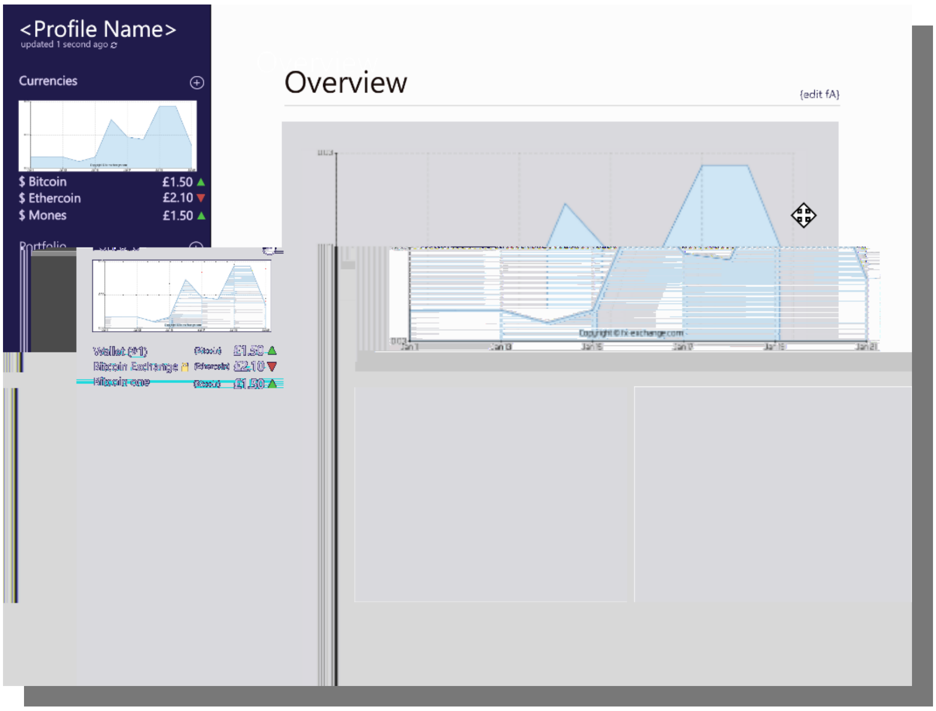

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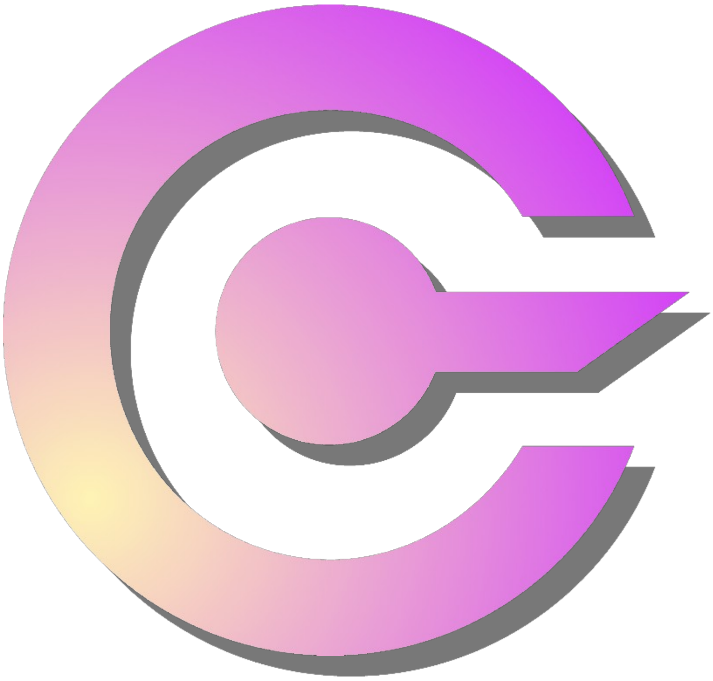

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Tests needed for MVP

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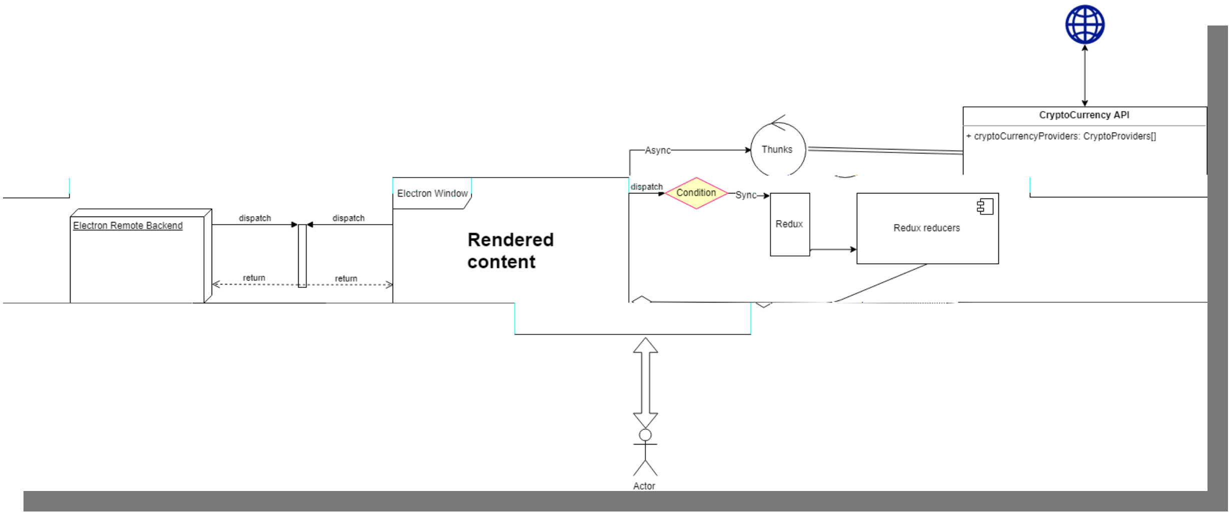

Development

Testing

Testing Needed

Evaluation

Testing

Bibliography

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