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*Project Report pt04*

A crypto-currency exchange application: CryptoJoint

Table of Contents

[Introduction 3](#_Toc514782350)

[General description 3](#_Toc514782351)

[Goals of the system 3](#_Toc514782352)

[Users of the system 3](#_Toc514782353)

[Description 4](#_Toc514782354)

[Focus on properties 4](#_Toc514782355)

[Product justification 4](#_Toc514782356)

[Specifications 4](#_Toc514782357)

[Design 5](#_Toc514782358)

[Global design 5](#_Toc514782359)

[Front-end: 5](#_Toc514782360)

[Back-end: 5](#_Toc514782361)

[Detailed design 5](#_Toc514782362)

[Design justification 5](#_Toc514782363)

[Project management 6](#_Toc514782364)

[Division of tasks 6](#_Toc514782365)

[Tasks 6](#_Toc514782366)

[Week 1: 6](#_Toc514782367)

[Week 2: 6](#_Toc514782368)

[Week 3: 6](#_Toc514782369)

[Evaluation 7](#_Toc514782370)

# Introduction

## General description

Our application let the users practice with the trading of cryptocurrency. Users are able to trade on different exchanges, with crypto coins. The users get fake dollars/euros to trade with on the exchanges.

## Goals of the system

The goal of our application is to let the customers get to know the ins and outs of cryptocurrency trading and practice with the trading.

## Users of the system

We assume that the users of our application are familiar with cryptocurrency but not quite familiar with trading.

The users of our application are interested in our application, so they can practice trading with fake money and if they think they have mastered the skill of trading with cryptocurrency they can use real money.

# Description

## Focus on properties

## Product justification

Our application is worth downloading because it gives someone the opportunity to learn how to trade with cryptocurrency. Also the usage and differences of exchanges.

A product that is similar to ours, is BUX. BUX is an application for the ‘normal’ stock market. However, BUX is only one example, but there are more of these apps. But our application is only one for crypto exchanges that we know of.

The new and innovative contributions of our application are:

* Cryptocurrency trading
* Different exchanges
* …

## Specifications

# Design

## Global design

### Front-end:

### Back-end:

We have four components in the back-end:

1. Client
2. Trader
3. API fetcher
4. Updater

The Client component keeps track of which coin the user purchased and the number of shares of that coin. It also keeps track of the coins the user purchased and the price they bought it at and the current price.

The Trader component takes the coin that the user wants to buy or sell and at which price and return that information.

The API fetcher component gives the API code with the trade information, such as current prices of the shares and different coins.

The Updater component keeps the prices of the currencies updated for trades.

## Detailed design

## Design justification

# Project management

## Division of tasks

* Front-end: Reinier Sanders (chief)
* Back-end: Laurens Kubat (chief), Wout van den Berg, Ferran van der Have
* Project report: Wouter van Battum (chief), Ferran van der Have

## Tasks

### Week 1:

#### Report:

Writing the division of tasks and a start with the introduction and description.

#### Front-end:

#### Back-end:

### Week 2:

#### Report:

Finishing the introduction and work on the description.

#### Front-end:

#### Back-end:

### Week 3:

#### Report:

#### Front-end:

#### Back-end:

# Evaluation