iPortfolio

Project Proposal

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| **Reviewed by:** |  |
| **Approved by:** |  |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 08/05/2011 | 1.0 | First Draft | Quan Phan |
|  |  |  |  |

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# Introduction

## Purpose

This document is aimed to capture the high level requirements of the project iPortfolio as understood by IPORTFOLIO analysts and to propose a suitable solution to meet the target requirements.

## Scope

This is just a draft version of the document and is provided to <Customer> by the request. The document’s scope is limited within the initial information provided by <Customer> to give just bulk part of the proposal.

When the detail information is provided, then this document will be revised to cover in more details and to be more accurate.

## Definitions, Acronyms and Abbreviations

## References

* <http://rodrigograf.hd1.com.br/iPortfolio/private/investments.html>
* DataConnect\_V3\_Lite\_User\_Guide.pdf

# Overall Description

iPortfolio is a website to help individuals to manage the investments with reference to tracked portfolio managers.

iPortfolio automatically generates the trade commands and send to the brokers to do the trades.

iPortfolio helps users to find the personal preferred profile and the appropriate portfolio managers.

iPortfolio runs nightly price update from data vendors and synchronizes holding positions with the financial institutional of customer.

# Specific Requirements

## Major Functionalities

|  |  |  |  |
| --- | --- | --- | --- |
| # | Subsystems | Functionalities | Description |
| 1 | Web Front End | User Interface |  |
| 2 | Web Back End | Account Management  Generate Order Sheet  Request Trade Order  Request Synchronization | Code in Java |
| 3 | iPortfolio Database | Account  Holding  Trading Queue  Portfolio Position  Transaction History  Performance Calculation | MSSQL 2008 with Business Intelligence  Pentaho |
| 4 | Trading Engine | Data Synchronization  Request Trading | Synchronize between iPortfolio Database and Service Provider.  Send trading commands to Broker |

## Usability

[List out all the major usability requirements]

Use SSL Encryption, HTTPS to exchange sensitive data.

## Performance requirement

[List out all the major performance requirements if any]

Support millions of user

Heavy update runs nightly

# Assumptions

The following assumptions are made during the first phase of analysis:

* + Since the detail description of the features are not provided as yet, all the effort estimation here are based on the average number only
  + In the first phase, the website is not maintenance by Sunflower
  + Extensible abstract design for ByAllAccounts at the beginning, will need more Service Providers to improve the design
  + Use of twenty tables of Data Model in the first phase
  + Resource for phase one: Giang, Quan

# Technical Solution

The solution proposed by IPORTFOLIO includes ….

## Logical Architecture

## Development and deployment environment

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Software** | **Version** | **Supplied by Customer for development** |
| 1 | Microsoft SQL Server | 2008 |  |
| 2 | Tomcat Web Server |  |  |
| 3 | IDE: Netbean |  |  |
| 4 | Mantis bug/issue tracker [http://issues.smartbiz.vn](http://issues.smartbiz.vn/) |  |  |
| 5 | Source Control: SVN |  |  |
| 6 | ERWin | 7.3 |  |
| 7 |  |  |  |

## Languages

English is the main language for communication.

## Advantages of the proposed solution

# General quotation

|  |  |
| --- | --- |
| **TASK** | **Efforts (man-month)** |
| Analysis |  |
| Design |  |
| Codin | (detail in the next table) |
| Integration |  |
| Integration and System Test |  |
| Documentation |  |
| **TOTAL** |  |
| **Timeframe** |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Component |  | Complexity |  | Efforts  (days) | | **Man-day effort** |
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|  |  |  |  |  | |  |
| Total |  |  |  | |  |  |
| Effort in man-months |  |  |  | |  |  |
| Buffer | 20% | Xx man-months | | | | |

# General planning

[Project Schedule in big milestones]

1. 08/04/2011 – 08/12/2011
   1. Understand the iPortfolio model
   2. Comprehend ByAllAcounts Spec
2. 08/12/2011 – 08/19/2011
   1. Make Website‘s main feature run
   2. First Framework design
3. 08/22/2011 – 08/26/2011
   1. Pilot Sample of First Framework
   2. iPortfolio DB 0.9
   3. iPortfolio 0.9: Make Website run
4. 08/29/2011 – 09/09/2011
   1. Developing Test Cases
   2. Unit Test
5. 09/12/2011 – 09/23/2011
   1. iPortfolio 1.0: ByAllAccounts compliance
   2. All ByAllAccounts Operations Skeleton
   3. Major Review

# Support and maintenance service

## Project Delivery

### Source code

### Documents

IPORTFOLIO will submit to customer the following documents:

1. Requirement Specification of the system
2. Project Development Plan
3. Design document
4. Test plan (include acceptance criteria)
5. Test Report
6. QA Plan
7. User’s Guide
8. Maintenance Guide

### Training

Will be defined later

### Supporting

Will be defined later

## 

# About iPortfolio

[The description should briefly describe iPortfolio].