Online Marketplace MVC Application
(Software Design Document)

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Contents

Revisions

Date	Description	Version
November 25, 2019	Created document	1.0
November 26, 2019	Added documentation for the packages and classes	1.1

1 Introduction

This purpose of this project is to design and implement a Rest API for a website to complete a test assesment as part of my interview with Intuit.

2 Overview

This project is a marketplace mvc application for contractors. This marketplace allows clients to post projects(jobs) and allows contractors to bid for these projects.

3 Implemented Components

/controllers

(a) provides the implementation of the Bid, Contractor, Project, and Index Controllers

(b) provides the model data to the view allowing button clicks and form submittions

/domain

(a) provides the implementation of the models and data of the Bid.java, Contractor.java, and Project.java

(b) DomainObject.java interface contains the code for the integer id

/services

(a) provides the Bid, Project, and Contractor service classes and interfaces to perform operations within the various models

(b) using CrudRepository interface to automatically implement getById(), saveOrUpdate(), and delete() methods at runtime for Bid, Project and Contractor models

3.1 Anticipated Updates

(a) Provide additional frontend such as jQuery to provide a more user firendly experience

(b) Provide Spring Security to allow both Clients and Contrators to log in with username and password

(c) Provide a bid currency converter that allows Clients and Contractors to bid in the currency of their choice without conflicting interferance

(d) Provide project filter feature to allow Contractors to narrow their project search by category

(e) Allow notifications feature that sends notifiation when a new project is created within the users category preferences

(f) Allow contractors to provide descriptions of their qualifications at the time of providing a bid