RED GAP

Website

Software Requirements Specification

Guildford, Surrey

Purpose 2

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Software Requirements Specification

# Introduction

## Purpose

The design and development plan for the website of a startup company ‘Red Gap’. Red Gap is a new company, which is a unique interest in Chinese Culture and thus promoting this within the UK. Red Gap will offer a wide range of products for which can be purchased and be suitable for many occasions. Chinese Paper Cutting is a key product of Red Gap.

An E-Commerce website is certainly fundamental for the growth of Red Gap and thus will be used for the buying of products, advertising and demonstrating. The website will be simple to begin providing an online portal for registered users, who will then be able to login and thus make orders for a product of their choice by following the appropriate methods. As this is product is so unique, pricing can certainly vary to the product and other specifications and thus a quote system is in place to handle this so a user makes a quote initially to request a price for their requirements.

The purpose of this Software Requirements Specification is to define the constraints and features of a Ruby on Rails website application which can be used as an ordinary website, but additionally as an E-Commerce Site with the ability to make orders for products sold by Red Gap. The website will be accessible via a clients web browser.

The intended audiences of this SRS are the technical leads and developers.

## Scope

This SRS defines a Ruby on Rails application, which can be used for making orders of products sold by Red Gap. The application will provide features including registration/login, ordering/quoting and management of orders/quotes. The application will also include administrative functionality for manipulating data within the database and this includes products, users etc.

The registration/login is required for users of the website who wish to make an order/quote and thus there authentication limitations put in place to prevent unauthorized access.

With a user being registered they will then be able to make an order/quote for a product package and products belonging to that product package. A user will create an order, which will then have many product orders i.e. products selected.

Initially, a quotation will be made and this is because each product can differ in time required for production i.e. for Chinese Paper Cutting where the user uploads an image and each image can have a significant impact on the time taken and work process.

An interface will be included for the user to manage orders/quotations as we want to involve the user throughout the whole journey.

An interface will be available for administrators to manipulate data including products.

The benefit of such E-Commerce site is that users are able to simply order a selected product.

## Definitions, acronyms and abbreviations

E-Commerce:

An online buying facility for users. Users can use E-Commerce to buy products online sold by a business. E-Commerce offers interfaces available to do this as well as to manage orders.

Ruby on Rails:

A Web Applications Development Language commonly used in creating and making websites.

## Overview

This document first presents a description of the software to provide context and to aid the understanding of the requirements. Formal function and non-functional requirements are then fully specified.

This document follows the IEEE ‘Recommended Practice for Software Requirements Specification” using the template organization for features [2].

# Overall descriptions

## Product perspective

This SRS defines the requirements for a Web Application, which can be used to make orders for products sold by Red Gap. Users will be able to use the web application registered or not, although they must be registered to make an order. Other functionality of the website will enable users to manage orders/quotations and also configure their account settings.

## Product functions

The web application will consist of four features: 1) Ordering & Quotations; 2) Order/Quotation Management; 3) User registration/manipulation; 4) Administrative.

On the initial access to the Web Application, the homepage will be accessed and thus with session information the user will either be logged in immediately or will be able to login if registered or register if not. Either way they will be present with the home page. From this point they will be able to browse the website and its content including the information regarding Red Gap – The business, guides on the products available and how orders/quotations work and additionally the ability to make an order/quotation providing registered.

### Ordering & Quotations