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## Software Requirements Document for DamCake

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Version	Date	Author	Change
0.1	25.02.16	MT	Initial Document
0.1.1	2.03.16	BM	Section 3 added

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# 1 Introduction

## PURPOSE

The purpose of this document is to provide detailed requirements information about the DamCake bakery shop application.

This document will describe the use cases and features of the DamCake bakery shop application.

## DEFINITIONS, ACRONYMS, ABBREVIATIONS

// alphabetical list of terms and their descriptions

// This is part of analysis and you must make sure you describe terms used in this document

Term	Description
DamCake	Name of the bakery product shop, also name of web site.
Admin	The manager of the application
Customer	Clients of the shop
Visitor	Person who just can watch the products till they registrate

## REFERENCES

<https://amtechnics.wordpress.com/>

## OVERVIEW

[OMIT]

## 2 Overall Description

Company DamCake makes bakery products. Our goal is to provide a site by original design, luxury catalog and the possibility to order culinary products to the client's house.

Our project will work on the network through the browser and Android application. And also our project may contain database.

### PRODUCT PERSPECTIVE

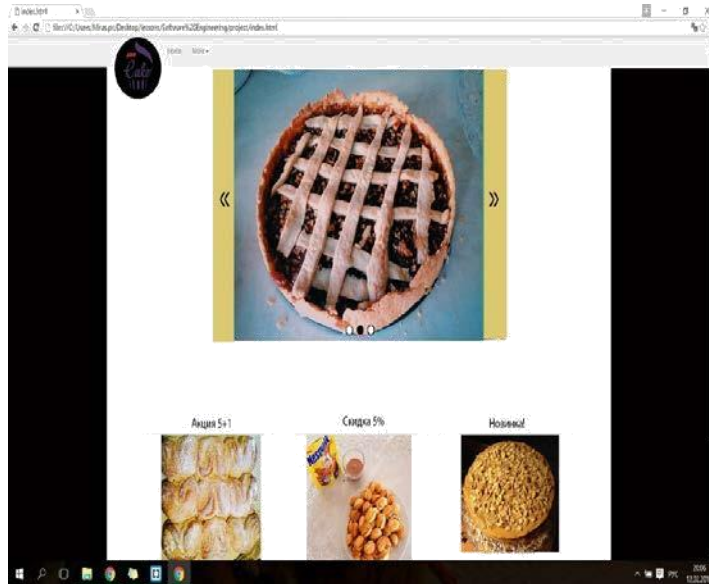
In our country, not poorly develops online purchases and with it develops cookery. We just decided to combine these features into one practical web application.

#### 2.1.1 Concept of Operations

In our site and mobile application as you know clients will order bakery products. Firstly, they will choose necessary products, after their choices they will send their order to the basket. Then customers formalize their orders, pay by the card system. Then we will deliver them orders to the house.

#### 2.1.2 Major User Interfaces





The Screen represents the main page of app. It contains logo and major icons: menu, contact, about and news. Simple and convenient.

The first icon "MENU" is shown on this screen. Content: list of available products with name, description and price in the right low corner. Also, there is search option, which button is in the right top corner. after pressing it, you'll see something that screen#3 will show you.

Standard search functionality, you press button and are able to write what you look for.

The main page of website. It has animated gallery above, by pressing right-left you change the picture of the product. Below you will see table organized content(looks like "new" page or "feed");

### 2.1.3 Hardware Interfaces

(OMIT for now).

### 2.1.4 Software Interfaces

(OMIT for now).

### 2.1.5 Communication Interfaces

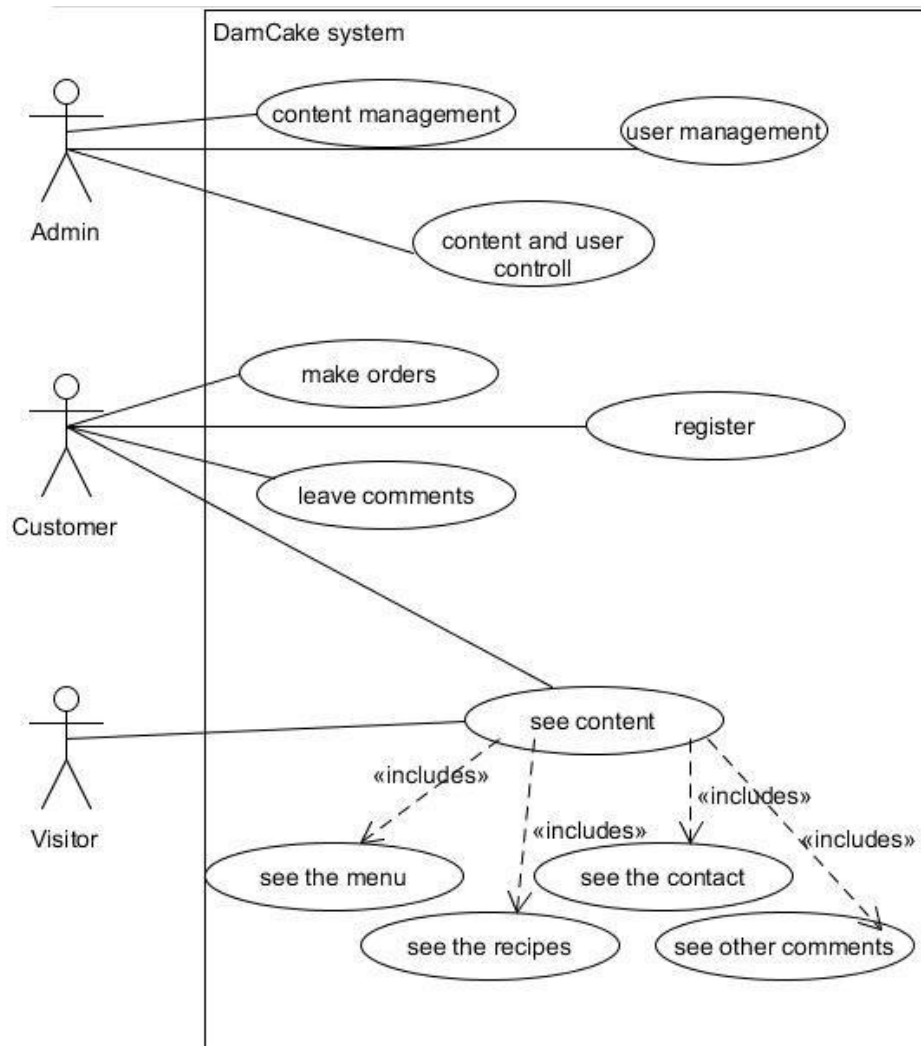
(OMIT for now)

2.1.6      Memory Constraints  
(OMIT for now)

2.1.7      Operations  
(OMIT for now)

2.1.8      Site Adaptation Requirements  
English, Russian languages

## PRODUCT FUNCTIONS



Use cases :

Admin :

- Login-logout

- Manage content

- Manage Users

- Content and User controls

Customer :

Register

Login-logout

Make orders

Leave comments

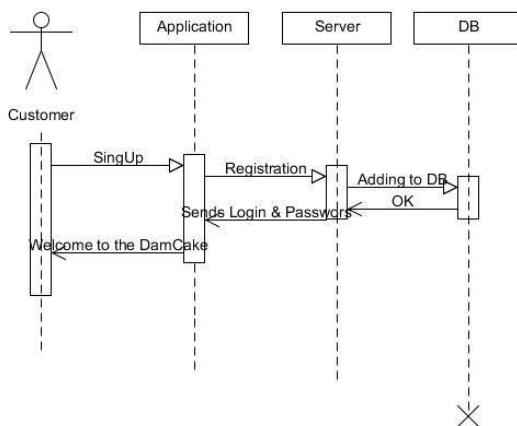
Visitor :

See content(Menu, Contacts, Products and other comments)

### 2.1.9 Example use case

Registration for customers.

Firstly when they enter to the application they will see in main menu buttons like Sing Up, Sing In. If customers already registered they can Login by pressing respectively button. If they don't, they can register new account. When they enter to the registration window, they will see common requests for any customers when they registrate. After they filling the forms, the request will be sent to the DB to save it. After all, application will sent message to their mails with login name and passwords.



## USER CHARACTERISTICS

Admin: That person who will manage whole application.

Customers: Clients of shop. They will order bakery products.

Visitors: Persons which can only watch our products until they registrate and become clients.

## CONSTRAINTS

Only that this application works in Almaty city. In future may be in other cities of Kazakhstan.



### 3 Specific Requirements

#### EXTERNAL INTERFACE REQUIREMENTS

##### 3.1.1 User Interfaces

Possibility to order products, that's all

##### 3.1.2 Hardware Interfaces

For making order by internet Customers need mobile devices or personal computers which connected to the internet.

##### 3.1.3 Software Interfaces

Customers can order products by just internet browser. Also they can install to their devices our mobile application.

##### 3.1.4 Communications Interfaces

By sending mails or contact directly by phone calling.

#### FEATURES

##### 3.1.5 Make order by internet

###### 3.1.5.1 Make order by calling

###### 3.1.5.2 Delivery to house of customer

#### PERFORMANCE REQUIREMENTS

We need to know Web Programming and Mobile programming(java, android) very well.

## DESIGN CONSTRAINTS

We know a lot about designing applications from previous course, and we think everything will be OK.

## SOFTWARE SYSTEM ATTRIBUTES

### 3.1.6 Reliability

Our application will be reliable, if there will be any bugs we will fix it immediately

### 3.1.7 Availability

This application will be available to the Almaty city citizens, in future may be in other cities

### 3.1.8 Security

We will try to make safety application as we can

### 3.1.9 Maintainability

We know our customers very well, so if there will be any bugs we will fix it immediately

### 3.1.10 Portability

Our application will be available on PC, mobile devices.

## 3.2 Features

### 3.2.1 Main page

3.2.1.1 The main page will be constructed as a navigator. From this page we can go through any another page

3.2.1.2 Main logo will be posted

### **3.2.2 Menu page**

3.2.2.1 Cakes and other bakery will be posted there

3.2.2.2 Menu itself will be constructed as a table, each box contains a photo, description(brief) and price on the right bottom of the box.

3.2.2.3 When you press on a bakery, you will be transferred to its page, where full photo and full description are.

### **3.2.3 Contact page**

3.2.3.1 Page consists of all available contacts(emails, link, phone numbers and etc.), with the help of which you can immediately contact DamCake.

### **3.2.4 About page**

3.2.4.1 About page is read-only page. There will be founders, developers and other stuff's information

### **3.2.5 News**

3.2.5.1 News page is always renewable page. Only readable content will be posted.

## **3.3 Performance requirements (SS)**

3.3.1 The app and web should firstly be performed in the interest of the possible customer. Design, menu arrangement should attract the public and make the product look more "sweety" and "tasty".

3.3.2 Aside the design side, DamCake should be as much available in usage as possible. Because the product is created for ordinary, not professional users.

## **3.4 DESIGN CONSTRAINTS (SS)**

Java, GoogleMaps API, MySQL(Oracle), HTML, CSS, javascript, android, photoshop and etc.

## **3.5 SOFTWARE SYSTEM ATTRIBUTES**

### **3.5.1Reliability**

Application is reliable, because there will be no sufficient base to be saved and secured.

### **3.5.2Availability**

DamCake application will be posted on Android PlayMarket.

Website will be posted on the Internet. So both sides of the product will be absolutely available for everyone.

### **3.5.3Security**

All information of register users will be saved and secured by the admin.

### **3.5.4Maintainability**

All of parts of application will be developed by modules. So all parts of application are extremely maintainable by adding/updating or even deleting some parts of application.

### **3.5.5 Portability**

Software in web based and android mobile based; thus, it is extremely portable.

## **3.6 OTHER REQUIREMENTS**

None

## Minutes of Meeting Form

**Team #:**

**Date:**

	Student Name (Initials)	Present?	Late > 5 mins?	Informed about absence?	Scribe?
1	Miras	✓	✗		✗
2	Temirlan	✓	✗		✗
3	Abay	✓	✗		✗
4	Tagzym	✓	✗		✗
	Milana	✓	✗		✓
	Student Name (Initials)	Old Action Item		Status	
1	Miras and Temirlan	discuss web side of the project		almost done	
		make some start			
2	Abay and Tagzym	discuss the app and start working		almost done	
3	Milana	present at all meeting and summ all achievements		almost done	
4					

## Agenda / Discussion Summary

all side of the project are discussed and stated. the practical part is still on the level 0

	Student Name (Initials)	New Action Item	Due Date
1	Milana and Temirlan	finish web prototypes and start	10/03/16
2	Abay and Tagzym	start the app	8/03/16
3	Miras	collect all the results and manage the proccess	12/03/16
4			

## Team Work Distribution Form

**Assignment #:** A4

**Team #:** AMTechnics #14

**Date:** 2/03/16

	Student Name (Initials)	Signature	% of total effort (adds to 100)	Lots of extra work?	Description of what done
1	Abay	✓	20%		labs 5,6
2	Milana	✓	20%		A4
3	Temirlan	✓	20%		A3
4	Tagzym	✓	20%		labs 5,6
	Miras	✓	20%		labs 5,6