Software Requirements Specification

Amazing Lunch Indicator

Table of Contents

1. Introduction.....

99a[(.....)] TJETBT1 0 0 1 3...69 R403.03a[(.....)] TJETBT1 0 0 1 3...69 R4[(.8a[(.....TBT1 0 0 1

1. Introduction

This section gives a scope description and overview of everything included in this SRS document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

1.1 Purpose

The purpose of this document is to give a detailed description of the requirements for the ñAmazing

	and admin

GPS

2. Overall description

This se

map view i ḫ Q a ⸗ & e d̯ я я & a ȟ Ƙ i Ƙ ⸚ l R ו A

would mean the integration with the GPS would have different requirements than what is stated in this specification.

2.6 Apportioning of requirements

3. Specific requirements

This section contains all of the functional and quality requirements of the system. It gives a detailed description of the system and all its features.

3.1 External interface Requirements

This section provides a detailed description of all inputs into and outputs from the system. It also gives a description of the hardware, software and communication interfaces and provides basic prototypes of the user interface.

3.1.1 User interfaces

A first-time user of the mobile application should see the log-in page when he/she opens the application, see Figure 2. If the user has not registered, he/she should be able to do that on the log-in page.

If the user is not a first time user, he/she should be able to see the seach page directly when the

The restaurant owners and administrators interact with the system through a web-portal, see Figure 8. Ai

abo

3.2.1.8 Functional requirement 1.8

ID: FR8
TITLE: Mobile application - Search result in a list view
DESC:

Search results can be viewed in a list. Each element in the list represents a specific restaurant. Each element should include the restaurant name, telephone number, type of food, distance according to the userôs position, average price, a short two-line description, a link to the restaurantôs web-page and an information link.
There should be maximally 100 results displayed. If the result contains more restaurants than what can be displayed on the scr2 Tmen at one time, the user should be able to scroll through them.
When searching by price the restaurants should be sor2 Tted according to the following order:

1. average price
2. distance
3. restaurant type
4. specific dish

RAT: In order for a user to switch between result views.
DEP: FR7, FR8

3.2.1.11 Functional requirement 1.11

ID: FR11
TITLE: Mobile application - Selecting the information link
DESC: A user should be able to select the information link, which is included on all result items. The link will direct the user to an information page, which includesicture of the restaurant, the restaurant name, address, phone number, e-mail address, type of food, average price, restaurant description and a menu with name, description and price of the different dishes.
RAT: In order to show information about the restaurants.
DEP: FR7, FR8

3.2.1.12 Functional requirement 1.12

ID: FR12
TITLE: Mobile application - Search by price

When the sort button for a s

And fill64 in one or more optional fields of the form When the resta

3.2.3 User Class 3 - Administrator

3.2.3.1 Functional requirement 3.1

ID: FR26
Feature: Administrator log in
In order to administer the system
An administrator
Should be logged in to the web-portal

> **Scenario: Successful log-in**
> Given the administrator wants to log in
> When the administrator logs in with a(n)-2(dm)17(i)-4(ni)6(st)4(r)-3(at)5(or)-3(a)9(cc)-2(oun)11(t)] TJETBT/Fstrat
> Then then dministrator should be logged in as a(n)8(dm)17(i)-4(ni)-4(s)9(t)-4(r)-3(a)9(t)-4(or)] TJETBT/Fstrator lo

3.2.3.2 Functional requirement 3.2

ID: FR27

When the administrator deletes an existing restaurant owner
Then the restaurant owner should be deleted
And the restaurant i34 fformation should be deleted

3.2.3.8 F34 un34 ctional requirement 3.8

ID: FR33
Feature: Administrator - Selecting preferred language on the web-portal
In order to un311(der)5(st)4(and)9(t)-4(he)9(w)5(eb)] TETBT1 0 0 1 206.81 601.54 Tm[(-)] TETBT1 0 0 1 210.29 601.5

Given the administrator wants to select a preferred language
When the administrator selects Engli3-4(sh)9(as)-3( )11(a ne)-2(w)5( )11(l)-4(ang)9(uag)9(e)] TETBT/F2 13.56 T

Given the administrator wants to select a preferred language[( )] TETBT/F2 11.04 Tf1 0 0 1 100.50.55 Tr

guage

3.3.2 Usage of the search feature

ID: QR2
TITLE: Usage of the search feature
DESC: The different search options should be evident, simple and easy to understand.

3.3.7 System dependability

ID: QR8
TAG: SystemDependability
GIST: The fault tolerance of the system.
SCALE: If the system loses the connection to the Internet or to the GPS device or the system gets some strange input, the user should be informed.
METER: Measurements obtained from 1000 hours of usage during testing.
MUST: 100% of the time.

3.4 Design constraints

This section includes the design constraint000n the software caused by the hardware.

3.4.1 Hard drive space

ID: QR10
TAG: Har deenieSpao

MSS Hardmeeam204f

SCALE: If a restaurant owner tries to log in to the web portal with a non-existing account then the restaurant owner should not be logged in. The restaurant owner should be notified about log-in failure.
METER: 1000 attempts to log-in with a non-existing user account during testing.
MUST: 100% of the time.

ID: QR14
TAG: AdminLoginAccountSecurity
GIST: Security of accounts.
SCALE: If an admin tries to log in to the web portal with a non-existing account

The second release also includes important requirements. However, these requirements are not vital for a functional application. They are more suited to act as additional features that can contribute to making the software product more attractive.

The third release includes the requirements that can be afforded to discard if the project gets delayed or overruns the budget.

FR23	8	7	6	5	5	6	6	43
FR24	5	10	9	10	9	5	10	58

Appendix II: Prioritization Result of 10 selected Requirements Using Cost-Value Approach

Requirement ID **Title**

QR7	3	3	4	5	5	1/3	1	3	1/3	7
QR9	3	3	4	3	5	1/3	1/3	1	1/3	5

Figure 9 – Result of AHP method

Figure 10 – The value distribution and estimated cost

Appendix III: Five-Way Priority Scheme

Requirement

		User	Restaurant owner	Administrator	Customer
FR30	Magnus	-2			

	Req.				
		User	Restaurant owner	Administrator	Customer

Sum	**-2,4**

[redacted]

Average	**0,2**	**-**

31	QR3	
32	QR17R3	

Appendix IV: Release Plan

RE:	Dependencies	Description	Motivation	Release	Duration

of the program. We have decided to

			users.
FR18	FR5	No search match found	This is a requirement that will make

FR26	-	Log-in - admin	This should be included in the first release because the administrator needs to be able to log in so shea

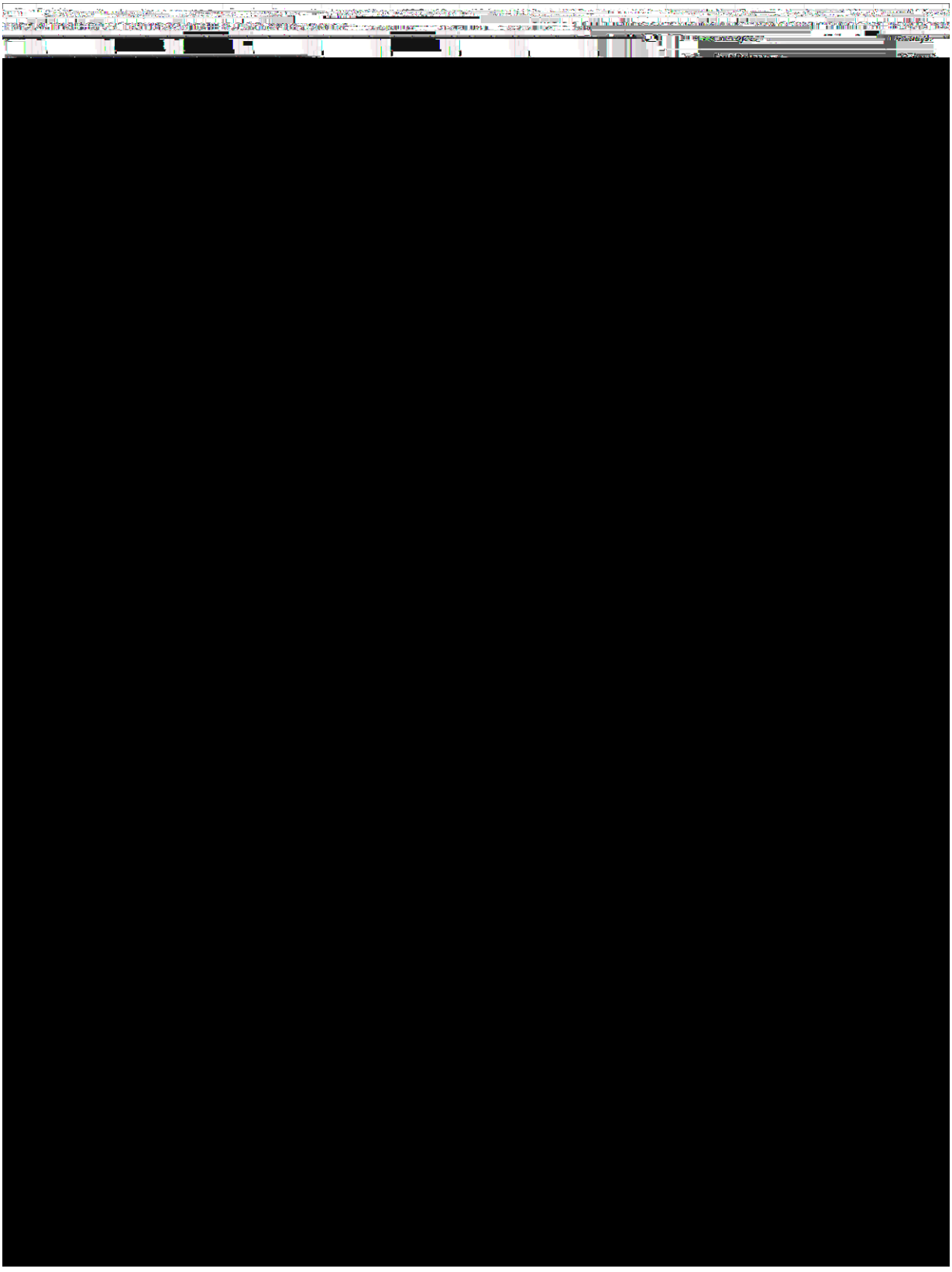
QR3	-	The ease of usage of the result in the list

			discharge the requirement when all functions are implemented.		
QR12	-	Communication security	As the system grows, and with respect for the users this need to be included.	2	

		system expands.		
QI 2	Internet connection	Internet connection is mandatory for the application to work and is therefore (ori)-4(nc)9(l)-4(ude)9(d i)-4	1	*
QI 3				

.46 Tm0 g[(co 69 29n)

Intern270.5 64 3 176.9 53.64 nd i herefovortherefoo 176.3 14(s)] T3 (nt)-4(e64 re9(i)-k)11(and)9(i)-4(s)] TETQqandherefo iv itherefo



Appendix V: I-star

Figure 12 – SD diagram

Figure 13 – SR diagram