

Daffodil International University



Project

Course Title: Software Requirement Specification & Analysis

Course Code: SE 212

Submitted to

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Submitted by:

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Section: B

Semester : Fall-22

Department of Software Engineering

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User Profile of Md. Sarowar Azam Sarkar

Application	Point of Sale (POS)	
Characteristics	Note on Characteristics	Requirement implied
Type of user	Co-Founder & CEO	Usability, acceptance
Age	31 years	Interface
Frequency of use	Twice or thrice a week	Safety,performance
Mandatory	Yes	
Computer experience	Must	Coding and documentation
Education	M.Sc in Software Engineering	
Goals	To ensure, every customer gets good software before deadline	
Language skill	English	
Training	Needed	Coding and documentation
Way of working	The way system is run	

Software Requirement Specification

FR 001	Registration
Description	After entering the system, in the software index page the user will register himself here.
Stakeholder	Admin, Manager, Developer

FR 002	Login
Description	After every time of access he has to log-in first before entering the main software. All users are mandatory for login. Only authorized users can login the system.
Stakeholder	Admin, Manager, Developer

FR 003	Add Employee Profile
Description	Only an admin can add an employee in this system then he/she can access this system.
Stakeholder	Admin

FR 004	View Employee Profile
Description	Any employee can see the information of his/her profile and the manager also views the employee's profile.
Stakeholder	Admin,

FR 005	Update Employee Profile
Description	In this system, if any employee wants to add more information about him or herself they can use this option.
Stakeholder	Manager

FR 006	Add product
Description	Manager will add products to the system which are ready to provide to the customer
Stakeholder	Manager

FR 007	View Product
Description	Users can view the completed product in this system

Stakeholder	Manager, Developer
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FR 008	Add payment method
Description	Payment method can be added by admin thus users use this option for paying for the products.
Stakeholder	Manager

FR 009	Add report summary
Description	The rate of selling products is summarized in the report summary.
Stakeholder	Manager

FR 010	Add progress report
Description	The developer will add the report of his progress to the system, so the manager can confirm the customers about their product and deadlines
Stakeholder	Developer

FR 011	View progress report
Description	The rate of selling products report can be showed in this option
Stakeholder	Manager, Developer

FR 012	View product details
Description	This option shows which products are available in stock and products details information
Stakeholder	Manager

FR 013	Select payment method
Description	Manager can select any type of payment method which is chosen by the customer.
Stakeholder	Manager

FR 014	Report problem
Description	While using this system, If anyone faces a problem they can report it to the admin.
Stakeholder	Manager, developer

FR 015	Get notification
Description	Everyone can be notified for notice or something in this system.
Stakeholder	Admin, manager, developer

FR 016	Logout
Description	After using this system everyone can log out using this option.
Stakeholder	Admin, manager, developer

Case Description

Use Case	Registration	
Goal	To get access to this system	
Precondition		
Success End Condition	Message:"Successfully Registered" and take the user to login option	
Failed End Condition	Message: "Registration failed"	
Primary Actor	Manager, Developer	
Secondary Actor	Admin	
Trigger	The user will request to register into the system	
Description/ Main Success Scenario	1.	The user will request to register into the system.
	2.	The user will fill up all personal information.
	3.	The user will attach a photo or required documents.
	4.	Message: "Successfully Registered".
Alternative Flows	1.1	Request did not respond.
		1.1.a: Message : "Server not found"
	2.1	Wrong personal information.
		2.1.a: Option: "Edit"
	3.1	Wrong attachments.
		3.1.a: Option: "Update"
Quality Requirements	User will complete this task within 10 minutes	

Use Case	Login	
Goal	Users can enter into the system.	
Precondition	Users must register first.	
Success End Condition	Message: "Login Successful".	
Failed End Condition	Message: "Login Failed".	
Primary Actor	Manager, Developer	
Secondary Actor	Admin	
Trigger	Users will request to login into the system.	
Description/ Main Success Scenario	1.	Users will request to login into the system.
	2.	User will provide username & password
	3.	Message: "Login Successful".
Alternative Flows	1.1	Request did not respond
		1.1.a: Message : "Server not found"
	2.1	Incorrect username or password.
		2.1.a: Message: "Invalid username or password.
		2.1.b: Message: "Login Failed".
Quality Requirements	User will complete this task within 5 minutes.	

Use Case	Add employee profile	
Goal	To add information about the employee	
Precondition	Employee must register in this system	
Success End Condition	Employee's Profile will be added to the system	
Failed End Condition	Message: "Employee Profile not added "	

Primary Actor												
Secondary Actor	Admin											
Trigger	Admin will log into the admin panel											
Description/ Main Success Scenario	<table><tr><td>1.</td><td>Admin will log into the admin panel</td></tr><tr><td>2.</td><td>then he will add the data that was given by the employee for the registration</td></tr><tr><td>3.</td><td>Then he submit employee's information in the system</td></tr><tr><td>4.</td><td>Employee's Profile will be added to the system</td></tr></table>		1.	Admin will log into the admin panel	2.	then he will add the data that was given by the employee for the registration	3.	Then he submit employee's information in the system	4.	Employee's Profile will be added to the system		
1.	Admin will log into the admin panel											
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Alternative Flows	<table><tr><td>1.1</td><td>Login request did not respond</td></tr><tr><td></td><td>1.1 a: Message : "Server not found"</td></tr><tr><td>3.1</td><td>Submission request did not respond</td></tr><tr><td></td><td>3.1 a: Message : "Server not found"</td></tr><tr><td></td><td>3.1 b: Message: "Employee Profile not added "</td></tr></table>		1.1	Login request did not respond		1.1 a: Message : "Server not found"	3.1	Submission request did not respond		3.1 a: Message : "Server not found"		3.1 b: Message: "Employee Profile not added "
1.1	Login request did not respond											
	1.1 a: Message : "Server not found"											
3.1	Submission request did not respond											
	3.1 a: Message : "Server not found"											
	3.1 b: Message: "Employee Profile not added "											
Quality Requirements	User will complete this task within 15 minutes.											

Use Case	View employee profile
Goal	To get information about an employee
Precondition	Users must be login to the system
Success End Condition	The employee's profile will be on shown
Failed End Condition	The profile would not be seen
Primary Actor	Manager, Developer
Secondary Actor	Admin
Trigger	Users will request to view the profile
Description/ Main	

Success Scenario	1.	Users will request to view the profile
	2.	The employee's profile will be on shown
Alternative Flows		
	1.1	Request did not respond
		1.1 a: Message: "Server not found"
		1.1 b: The profile would cannot be seen
Quality Requirements	User will complete this task within 5-7 minutes.	

Use Case	Update employee profile	
Goal	To add new information or remove old data	
Precondition	Employee must be log in	
Success End Condition	Message: "Profile updated"	
Failed End Condition	Message: "Profile update failed"	
Primary Actor	Manager, Employee	
Secondary Actor		
Trigger	Employee will request to update his profile	
Description/ Main Success Scenario	1.	Employee will request to update his profile
	2.	Then he add his new information or remove his old data from his profile
	3.	He submit his updated profile
	4.	Message: "Profile updated"
Alternative Flows		
	1.1	Request did not respond
		1.1 a: Message: "Server not found"

	3.1	Submission request did not respond
		3.1 a: Message: "Submission failed"
		3.1 b: Message: "Profile update failed"
Quality Requirements	User will complete this task within 10-15 minutes.	

Use Case	Add product	
Goal	To get idea which products are ready	
Precondition		
Success End Condition	Message: “This product is ready to submit”	
Failed End Condition		
Primary Actor	manager	
Secondary Actor		
Trigger	Developer will complete the product & send it to the manager.	
Description/ Main Success Scenario		
	1.	Developer will complete the product & send it to the manager.
	2.	Manager will add the product with details.
	3.	Then he request to submit to add the product
	4.	Message: “This product is ready to submit”
Alternative Flows		
	1.1	Product is not been sent to the manager yet.
		1.1.a: Product is not ready.
		1.1.b: Developer needs more time.
	3.1	Request did not respond”
		3.1 a: Message “Server not found”

Quality Requirements	User will complete this task within 5 minutes.
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Use Case	View product	
Goal	To know if products are ready or not.	
Precondition	Manager must add some products.	
Success End Condition	The product list will be on shown	
Failed End Condition	The products would not be seen..	
Primary Actor	Manager, developer	
Secondary Actor		
Trigger	Users will request to view the profile	
Description/ Main Success Scenario	1.	Users will request to view the profile
	2.	The product list will be on shown
Alternative Flows	1.1	Request did not respond
		1.1 a: Message: "Server not found"
		1.1 b: The products would not be seen.
Quality Requirements	User will complete this task within 5 minutes.	

Use Case	Add payment method
Goal	Manager will add payment method to give customer various types of option while payment
Precondition	
Success End Condition	The system will show the payment methods

Failed End Condition	The payment method would not be seen.	
Primary Actor	Manager	
Secondary Actor		
Trigger	The manager will login to the system	
Description/ Main Success Scenario		
	1.	The manager will login to the system
	2.	Then he request to add payment methods
	3.	Then he submits the payment method list
	4.	The system will show the payment methods
Alternative Flows		
	1.1	Login request did not respond
		1.1 a: Message “Server not found”
	3.1	Request did not respond”
		3.1 a: Message “Server not found”
		3.1 b: The payment method would not be seen.
Quality Requirements	User will complete this task within 5 minutes.	

Use Case	Add report summary
Goal	To track the report in daily, monthly or yearly basis
Precondition	
Success End Condition	The system will show the graph of report
Failed End Condition	The graph would not be seen
Primary Actor	Manager
Secondary Actor	
Trigger	The manager will request to add a summary of report

Description/ Main Success Scenario	1.	The manager will request to add a summary of report
	2.	Then he will add the data and submit them
	3.	The system will show the graph of report
Alternative Flows	1.1	Request did not respond
		1.1 a: Message “Server not found”
	2.1	Submission did not respond”
		2.1 a: Message “Submission failed”
		2.1 b: The graph would not be seen.
Quality Requirements	User will complete this task within 7 minutes.	

Use Case	Add progress report	
Goal	To confirm customer about their product completion	
Precondition	Developer must start a project	
Success End Condition	The system will show the progress report of a ongoing product	
Failed End Condition	The progress report would not be seen	
Primary Actor	Developer	
Secondary Actor		
Trigger	The developer will request to add progress report	
Description/ Main Success Scenario	1.	The developer will request to add progress report
	2.	After checking the progress on product he will add the report
	3.	Then he submit the progress report to system
	4.	The system will show the progress report of a ongoing product

Alternative Flows	1.1	Request did not respond
		1.1 a: Message “Server not found”
	3.1	Submission did not respond”
		3.1 a: Message “Submission failed”
		3.1 b:The progress report would not be seen.
Quality Requirements	User will complete this task within 10-15 minutes.	

Use Case	Get notification	
Goal	To notify users about any kind of updates	
Precondition		
Success End Condition	Message :”You get a notification”	
Failed End Condition	Message: “No notification”	
Primary Actor	Manager, Developer	
Secondary Actor	Admin	
Trigger	User complete any task or update anything	
Description/ Main Success Scenario	1.	User complete any task or update anything
	2.	He will send notification about his task
	3.	Message :”You get a notification”
Alternative Flows	1.1	User couldn’t complete any task
		1.1 a:Message: “No notification”
Quality Requirements	User will complete this task within 1 minutes.	

Use Case	Logout	
Goal	To exit from the system after completing task	
Precondition	User must login	
Success End Condition	Message: "Successfully Logout"	
Failed End Condition	Message:"Failed! Try again"	
Primary Actor	Manager, Developer	
Secondary Actor	Admin	
Trigger	User will request to logout from the system	
Description/ Main Success Scenario		
	1.	User will request to logout from the system
	2.	Message: "Successfully Logout"
Alternative Flows		
	1.1	Request did not respond
		1.1 a: Message "Server not found"
		1.1 b: Message:"Failed! Try again"
Quality Requirements	User will complete this task within 5 minutes.	

Traceability Matrix

[illegible]

MoSCoW

Must	Should	Could	Wish/Won't
Login	Add employee profile	Update employee profile	Add progress report
Registration	View employee profile	Add report summary	Report problem
Add product	View product	View product details	
Add payment method	Select payment method	Get notification	
	Logout		

100 Dollar Test

1. Registration:=10
2. Login =12
3. Add employee profile =7
4. View employee profile =6
5. Update employee profile =7
6. Add product =6
7. View product =4
8. Add payment method =5
9. Add report summary =7
10. Add progress report =2
11. View progress report =6
12. View product details =5
13. Select payment method =5
14. Report Problem =3
15. Get Notification =3
16. Logout =12

Use Case

