



**American International University-Bangladesh (AIUB)**  
**Department of Computer Science**  
**Faculty of Science & Technology**  
**(FST)**

**Skin Disease identifier**  
**application**

Project Proposal Submitted  
To

DR. S.M. HASAN MAHMUD

Project Submitted  
By

Semester: Fall_22_23		Section: C	Group Number: 01	
SN	Student Name	Student ID	Contribution (CO1+CO2)	Individual Marks
01	NAYEEM ABDUL QAIYUM	20-43581-1		
02	SADIA ISLAM SHAFINA	20-43539-1		
03	ARAFAT RAHMAN TURJO	20-43139-1		
04	MD JAHID HASAN KHAN	20-43898-2		

**Test Case:**

A test case is a set of actions performed on a system to determine if it satisfies software requirements and functions correctly. The purpose of a test case is to determine if different features within a system are performing as expected and to confirm that the system satisfies all related standards, guidelines and customer requirements. The process of writing a test case can also help reveal errors or defects within the system.

Test cases, which serve as step-by-step instructions for each system test, are often developed by members of the testing team or the quality assurance (QA) team. Once a system feature or set of features has been finished by the development team, testing can start. A test suite is a series or collection of test cases.

**Bug in Software:**

A software bug is a mistake that causes in a program crashing or producing incorrect output. The issue is brought on by incorrect or insufficient logic. An error, omission, fault or defect that could lead to failure or a deviation from desired results is referred to as a bug.

**Bug Report:**

A bug report is a particular kind of report that details information on what is incorrect and needs to be fixed in software or on a website. The report outlines the causes of any mistakes that were discovered in order to highlight exactly what was deemed to be incorrect. It also contains a request and instructions on how to fix each problem.

## Test Automation

1.

Project Name: <b>Skin disease identifier application</b>			Test Designed by: <b>Group-1</b>		
Test Case: A_1			Test Designed date: 11.11.22		
Test Priority (Low, Medium, High): Medium			Test Executed by: <b>Nayeem</b>		
Module Name: Login Session			Test Execution date: 11.12.22		
Test Title: Verify login with valid data.					
Description: Test Application login system.					
Precondition (If any): User must have valid email address or username and password.					
Test Steps		Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the home page 2. Go to Login Window 3. Enter username or mail 4. Enter password 5. Click Login Button		Username: test_user10  Password: User10@123  Email: User10@gmail.com	User login successfully using valid User name or Email and password	As expected,	Pass
Post Condition: User login successfully to given required information.					

2.

Project Name: <b>Skin disease identifier application</b>			Test Designed by: <b>Group-1</b>	
Test Case: A_2			Test Designed date: 11.11.22	
Test Priority (Low, Medium, High): Medium			Test Executed by: <b>Nayeem</b>	
Module Name: Registration session			Test Execution date: 11.12.22	
Test Title: Create a new account using required data.				
Description: Test application registration system.				
Precondition (If any): User must enter valid email address, username should be available, password should be a strong password (at least 8 chars, including one at least Uppercase latter and one at least special character)				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go Home Page 2. Go to Registration Window 3. Enter username 4. Enter password 5. Enter Email 6. Enter Address 7. Enter Phone (optional) 8. Verify CAPTCHA 9. Click Registration 10. Enter OTP from email 11. Click on Profile link	Username: test_user10  Password: User10@123  Email: <a href="mailto:User10@gmail.com">User10@gmail.com</a>  Address: Dhaka, Bangladesh	User data should be store to the database, after click registration user should get OTP on his email. After enter valid OTP user should be able to go to his profile.	As expected,	Pass
Post Condition: User is validated with database and successfully created a new account. The account session details are saved in the database.				

### 3.

Project Name: <b>Skin disease identifier application</b>		Test Designed by: <b>Group-1</b>		
Test Case: A_3		Test Designed date: 25.11.22		
Test Priority (Low, Medium, High): Medium		Test Executed by: <b>Nayeem</b>		
Module Name: Add New Doctor Session		Test Execution date: 11.12.22		
Test Title: Add new doctor session in specific time.				
Description: Test Application Add New Doctor Time system.				
Precondition (If any): User check doctor details, treatment time and add the doctor for notification.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the homepage 2. Go to Login 3. Doctor session 4. Select doctor and time 5. Click save button	Doctor details and treatment time.	Save all information in database and set a notification.	Unexpected,	Fail
Post Condition: User can add new doctor and session.				

## Bug Report:

<b>Bug Name:</b> Application crashes upon clicking the SAVE button while creating a new doctor session.	
<b>Bug ID:</b> (It will be automatically created by the BUG Tracking tool once you save this bug).	
<b>Area Path:</b> Login → Add New doctor → Save	
<b>Build Number:</b> Version Number 2.0.1	
<b>Severity:</b> HIGH (High/Medium/Low) or 1	<b>Priority:</b> HIGH (High/Medium/Low) or 1
<b>Assigned to:</b> Group-4 members	<b>Reported By:</b> Nayeem
<b>Reason:</b> Defect	<b>Reported On:</b> 11/25/2022
<b>Status:</b> New/Open/Active: New	<b>Environment:</b> Windows 11/SQL Server 2014
<b>Description:</b> Application crashes upon clicking the SAVE button while creating a new doctor with session, hence unable to create a new doctor session in the application.	
<b>Steps to Reproduce:</b> <ol style="list-style-type: none"><li>1) Login into the Application.</li><li>2) Go add doctor</li><li>3) Navigate to the doctor details and session time → New Session</li><li>4) Select doctor and time</li><li>5) Clicked on Save button</li><li>6) Seen an error page “-----Exception: Insert values Error...”</li><li>7) See the attached logs for more information (Attach more logs related to the bug...IF any)</li><li>8) Also see the attached screenshot of the error page.</li></ol>	
<b>Expected Result:</b> On clicking the SAVE button, you should be prompted to a successful message“New Session has been created successfully”.	

4.

Project Name: <b>Skin disease identifier application</b>			Test Designed by: <b>Group-1</b>	
Test Case: A_4			Test Designed date: 27.11.22	
Test Priority (Low, Medium, High): High			Test Executed by: <b>Nayeem</b>	
Module Name: Profile edit			Test Execution date: 11.12.22	
Test Title: Change or edit profile				
Description: User change given profile information.				
Precondition (If any): User can't change user name and id.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the homepage 2. Go to Login 3. Profile 4. Edit	Change profile information.	Save all changing information and show in profile.	Unexpected,	Fail
Post Condition: User can see modified information in profile after edit profile.				

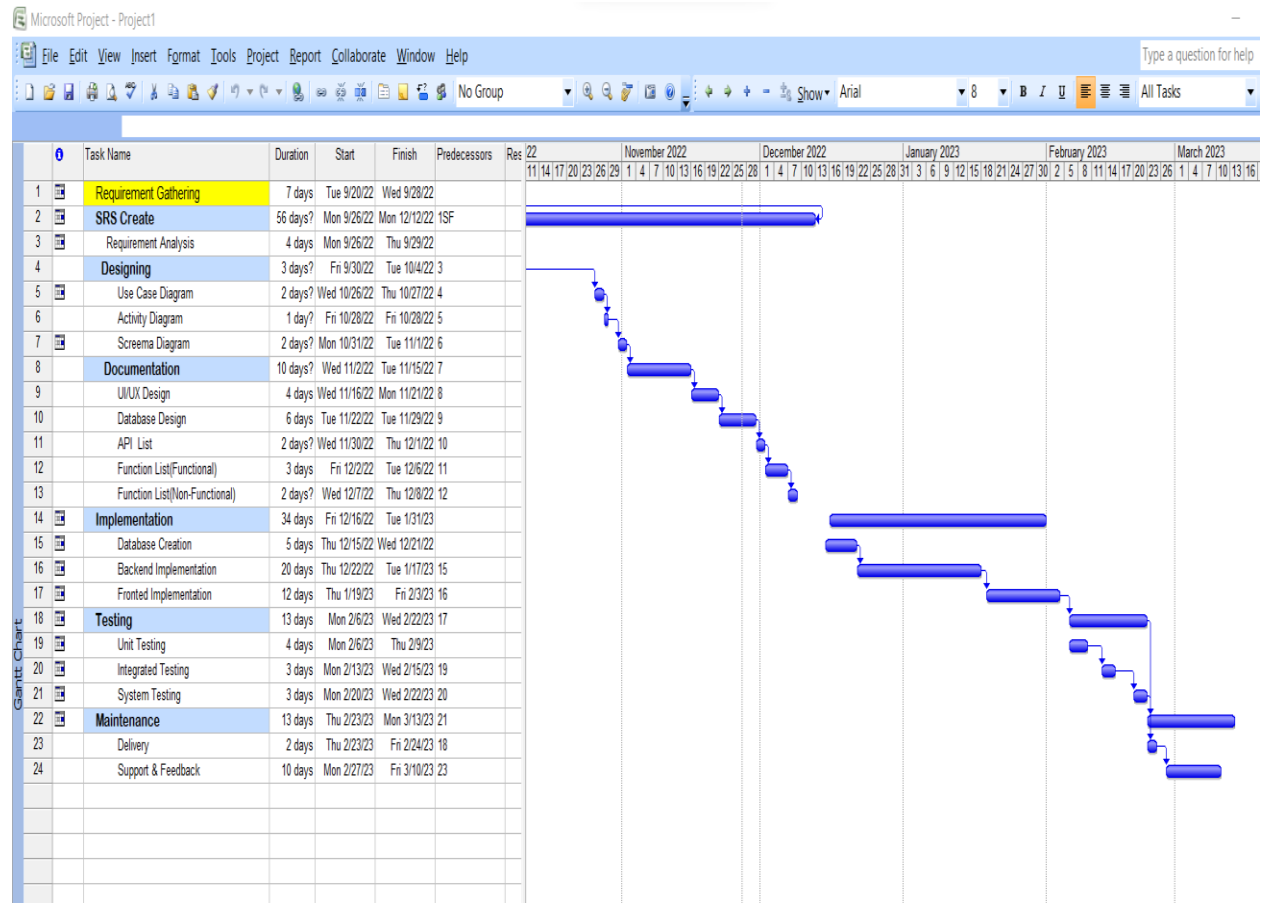
## Bug Report:

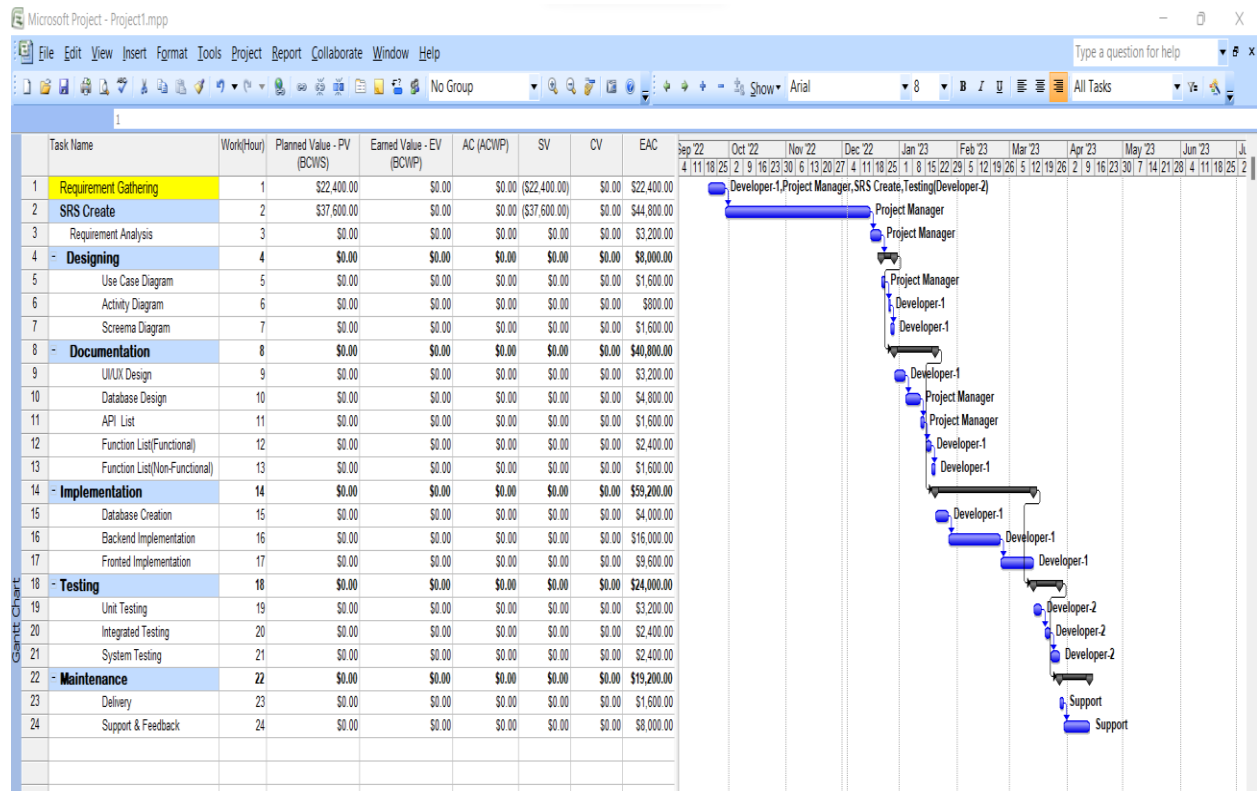
<b>Bug Name:</b> Application can't show modified information after edit information.	
<b>Bug ID:</b> (It will be automatically created by the BUG Tracking tool once you save this bug).	
<b>Area Path:</b> Login →profile →Save	
<b>Build Number:</b> Version Number 3.0.1	
<b>Severity:</b> Medium (High/Medium/Low)	<b>Priority:</b> Low (High/Medium/Low) or 1
<b>Assigned to:</b> Group-4 members	<b>Reported By:</b> Nayeem
<b>Reason:</b> Defect	<b>Reported On:</b> 27/11/2022
<b>Status:</b> New/Open/Active: New	<b>Environment:</b> Windows 11/SQL Server 2014
<b>Description:</b> Application can't show modified information after edit information, hence unable to change information or edit new information in the application.	
<b>Steps to Reproduce:</b> <ol style="list-style-type: none"><li>1. Login into the Application.</li><li>2. Go profile</li><li>3. Edit</li><li>4. Navigate to the all information &amp; edit information</li><li>5. Save</li><li>6. Seen an error page “---Exception: Insert values Error...”</li><li>7. See the attached logs for more information (Attach more logs related to the bug...IF any)</li><li>8. Also see the attached screenshot of the error page.</li></ol>	
<b>Expected Result:</b> On clicking the SAVE button, you should be prompted to a successful message“New information has been edit successfully” and new information show in profile.	



## WBS and Effort Estimation :

Estimation in software engineering refers to an endeavor to estimate the cost, time, and effort necessary to develop a certain software-based system. It helps the project manager in making more accurate predictions about the time and effort required to complete the project.





## Cost Estimation:

Total resource cost = \$580

Employee's salary: Developer = (2 x \$150) = \$300

Project manager = \$200

Testing and maintenance = \$320

Total salary: (\$300 + \$200 + \$320) = \$820

Total cost : (\$580 + \$820) = \$1400 (per month)

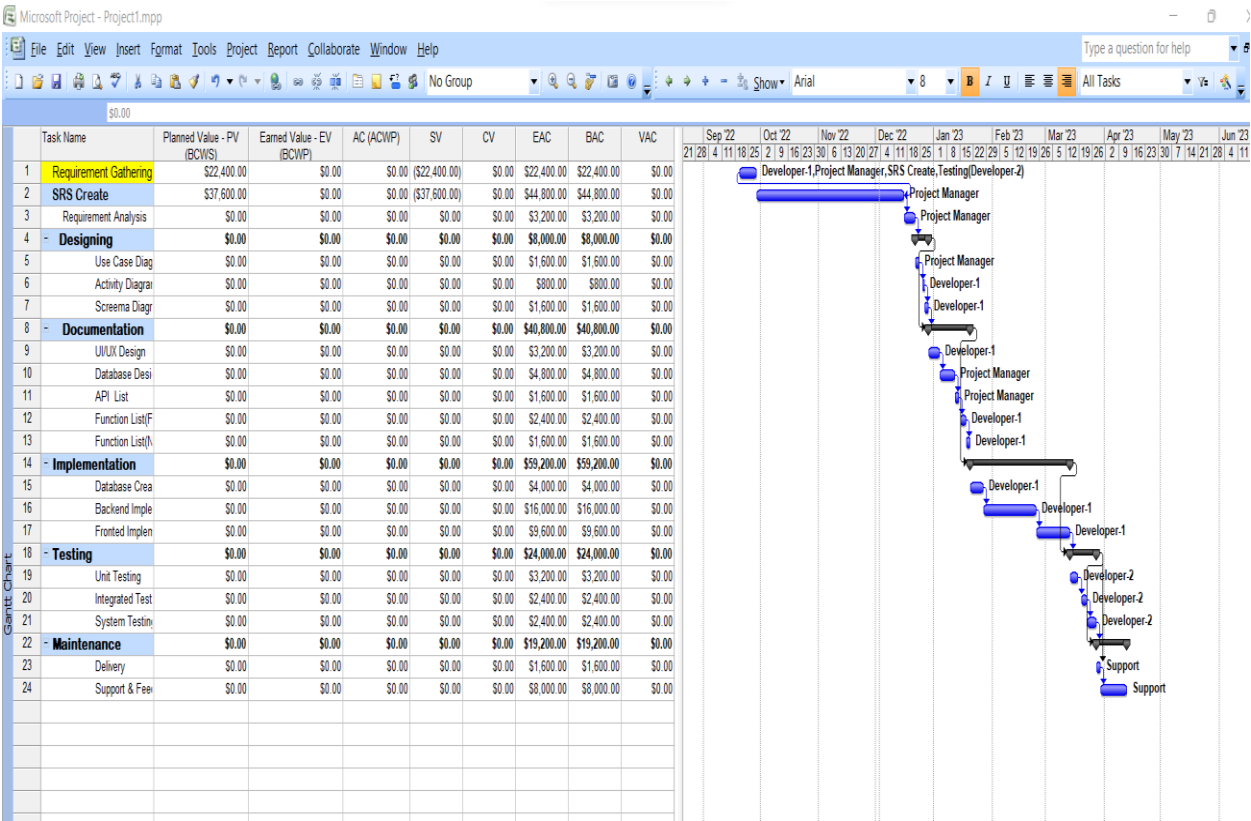
RiskyProject Professional - [RiskyProject1]															
Schedule Risks Analysis Tracking Report Tools															
Clipboard Schedule and Calendar Format Schedule Views Calculate Weeks Outline Project Settings Options Format Gantt Bar Set Manage															
Workflow															
	Task Name	Cost Actual	Cost Low	Cost	Cost Hi...	Accrual	Res Cost	Tot. Cost	Income A...	Inc. Low	Income	Inc. High	Accrual	Distrib. Cost	Distrib. Inc
1	Project Development		\$700.00	\$700.00	\$700.00	Prorated	\$0.00	\$1,400.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
2	Requirement Gather	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
3	SRS Create		\$50.00	\$50.00	\$50.00	Prorated	\$0.00	\$50.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
4	Requirement Anal	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
5	Designing		\$125.00	\$125.00	\$125.00	Prorated	\$0.00	\$125.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
6	Use Case Diagram	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
7	Activity diagram	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
8	Screen Diagram	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
9	Documentation		\$50.00	\$50.00	\$50.00	Prorated	\$0.00	\$50.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
10	UI/UX Design	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
11	Database Design	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
12	API List	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
13	Function List(Fun	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
14	Function List(Non	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
15	Implementation		\$300.00	\$300.00	\$300.00	Prorated	\$0.00	\$300.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
16	Database Creator	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
17	Backend Impleme	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
18	Fronted Implemen	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
19	Testing		\$120.00	\$120.00	\$120.00	Prorated	\$0.00	\$120.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
20	Unit Testing	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
21	Integrated Testing	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
22	System Testing	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
23	Maintenance		\$55.00	\$55.00	\$55.00	Prorated	\$0.00	\$55.00		\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
24	Delivery	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined
25	Support & Feedba	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Prorated	Undefined	Undefined

## Activity Scheduling and Resource Allocation:

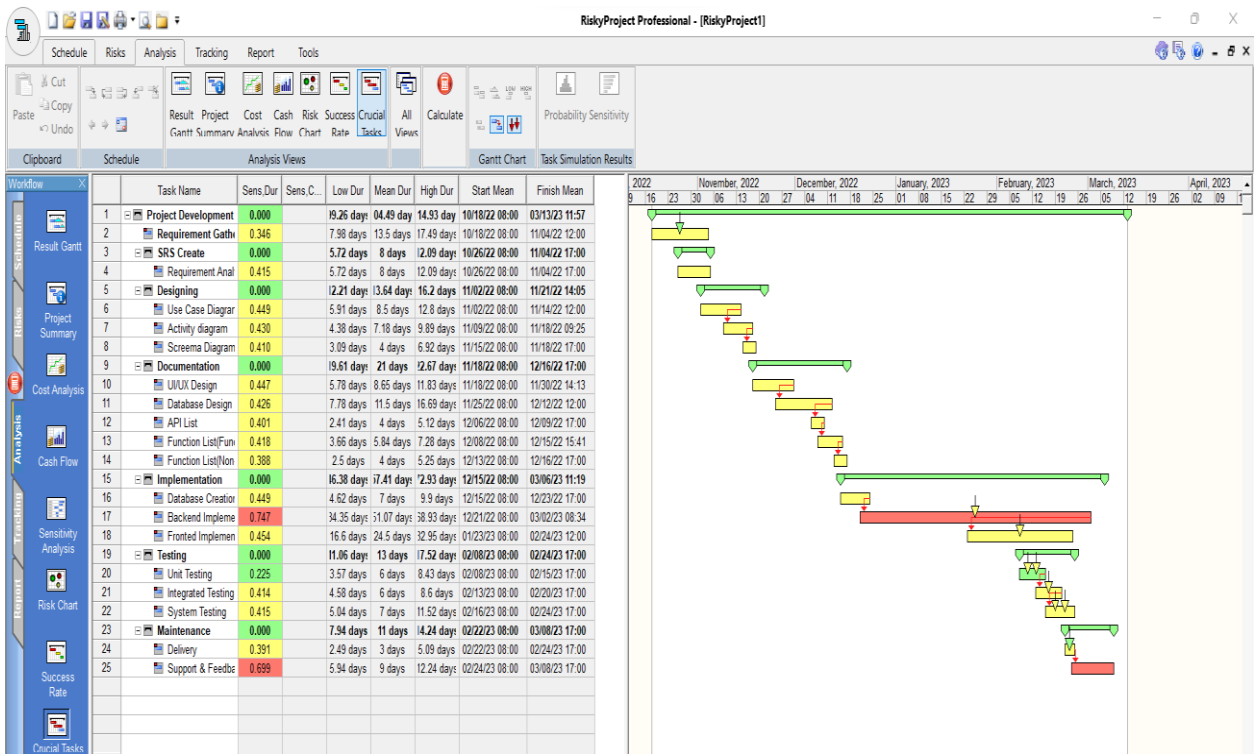
### Activity Scheduling:

Name	Duration	Starting Date	Ending date
Project purpose	3 days	18/8/2022	20/8/2022
Software Lifestyle	6 days	21/8/2022	26/8/2022
Design Diagram	12 days	27/8/2022	07/9/2022
UI/UX Design	5 days	08/9/2022	12/9/2022
Development	5 days	13/9/2022	17/9/2022
Testing	1 week	18/9/2022	24/9/2022
Maintainance	1 week	25/9/2022	1/10/2022

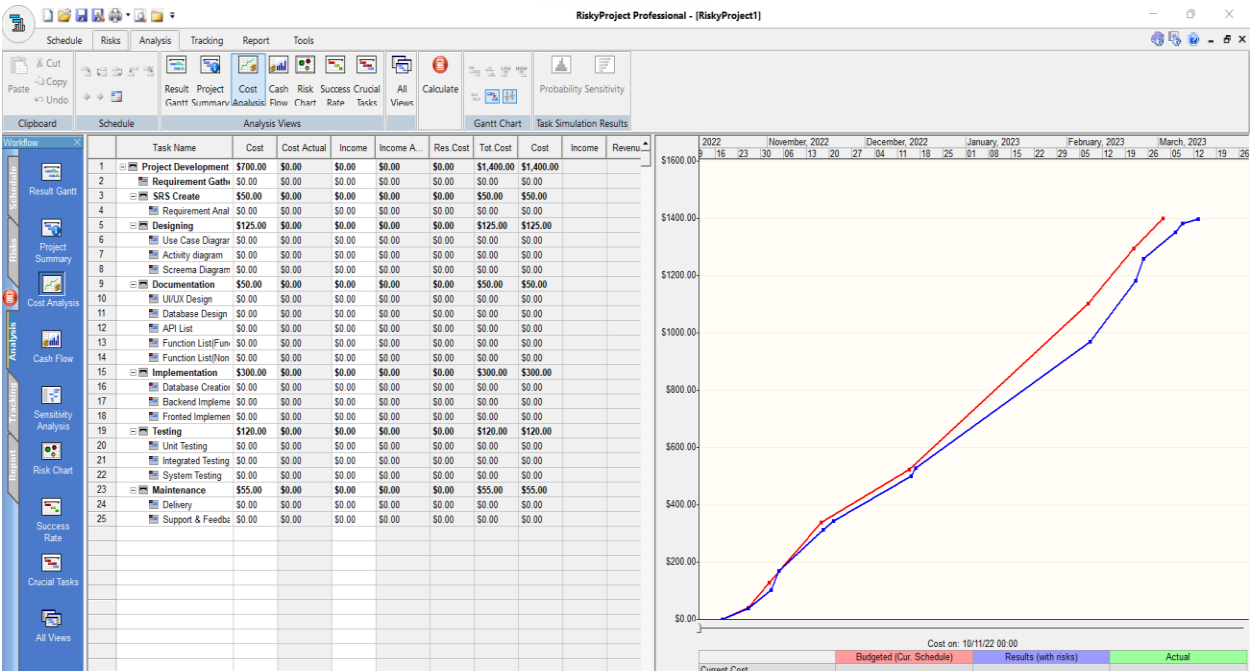
Resource Allocation:



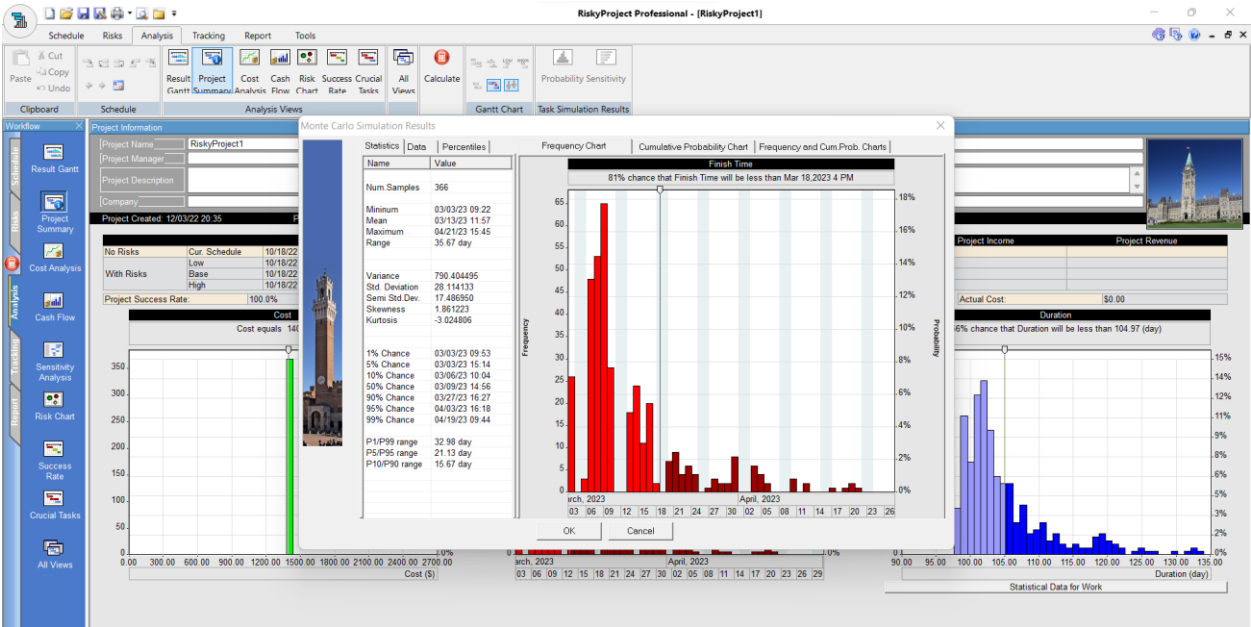
Resource Analysis:



Risk Cost Analysis:



Risky Project Summary:



The screenshot displays the RiskyProject Professional software interface. The window title is "RiskyProject Professional - [RiskyProject]". The top menu bar includes "Schedule", "Risks", "Analysis", "Tracking", "Report", and "Tools". Below the menu is a ribbon with tabs for "Clipboard", "Schedule", "Analysis Views", "Gantt Chart", and "Task Simulation Results". The left sidebar contains a "Workflow" pane with buttons for "Result Gantt", "Project Summary", "Cost Analysis", "Cash Flow", "Sensitivity Analysis", "Risk Chart", "Success Rate", and "All Views". The main workspace is divided into two panes. The left pane shows a table with columns for "Date", "Cur schedule", "Low Res", "Base Res", "High Res", and "Actual". The right pane displays a bar chart showing cash flow over time from September to July. The chart has blue bars and a red line connecting the tops of the bars. The status bar at the bottom indicates "Ready" and shows the file path "C:\Program Files\RiskyProject\...". The bottom right corner shows the date and time: "Sun, Dec 04, 2022 2:28:13 PM".

**RiskyProject Professional - [RiskyProject1]**

Schedule Risks Analysis Tracking Report Tools

Clipboard Structure Risk Views All Views Calculate Settings Export/Import Properties

**Risk Register**

Risk Mitigation or Response Plan	Plan Type	Outcome Type	Outcome	Chance	Chart: Chance	Used in risks:	Cost	Prob. R...	Impact ...	Description
1 Found significant defects in testing	Mitigation						\$0.00	5.0 %	5.0 %	
2 Lck of knowledge of the specific topic	Mitigation						\$0.00	5.0 %	5.0 %	

Risk Matrix:

