SP-26-PurpleBudgetApp-ProjectPlan

Date: 1/27/2024

Project Team

Roles	Name	Major responsibilities	Contact (Cell Phone)
Project owner	Sharon Perry		
Team leader	Cameron Lowry	Documentation	770-639-8746
Team members	Ann Nguyen	Programming	404-348-6827
	Alexandra Clark	Documentation	404-71-97620
Advisor / Instructor	Sharon Perry	Facilitate project progress; advise on project planning and management.	Sperry46 in D2L is preferred

< < < < Head Shots with Student Names > > >
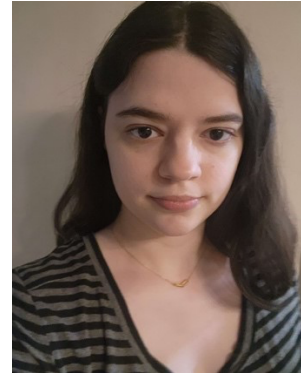
Cameron Lowry

Ann Nguyen

Alexandra Clark

Project Name
SP26- PURPLE BUDGET APP

Enhanced Overview
Background: The Purple Budget App is a user-friendly and efficient tool to aid individuals to track and manage their finances. With an increasing demand in digital solutions for personal finance, this app aims to empower users to make informed decisions, set financial goals and know what to do with their monthly income in the future.

Objectives:

- Expenses tracking: Develop a platform allowing users to record and categorize their monthly income and spendings effortlessly.
- User-friendly interface: Design an intuitive and appealing user-interface to enhance the overall user experience, making financial management accessible to diverse people.
- Privacy and Security: Prioritize the implementation of security to ensure the confidentiality and integrity of user's financial data.

Scope: The app will cover the following feature:

- User registration and authentication
- Interactive dashboard that displays balance amount, expenses, and monthly income.
- Data visualization through the graph and chart that shows the relationship between the spending and income monthly. -   Transaction history.

The app will not involve the connection to the real bank account to ensure user privacy and legal compliance. Instead, this project will stimulate sample financial data within the apps.

Deliverables
   1. Main dashboard prototype
   - Description: a visual representation of the main dashboard of the Purple Budget App. This prototype should show some key elements such as: balance, monthly income, total expenses, and a list of transaction history. This should provide a user-friendly and intuitive interface for users to access and manage their financial information.
   - Responsibility: Ann
   2. User registration prototype
   - This page is a fundamental component allowing the user to create an account and access the budget app. It will collect user information securely and efficiently.
   - Responsibility: Alexandra
   3. Database implementation

- This app would not involve the connection to a real bank account because it is illegal. The database implementation will create and set up the database structure to store the user data, transaction details and budget information. This includes defining table, relationship, and constraint.
- Responsibility: Cameron

4. Implementation the Budget app
- Using React Native, JS and VScode to implement the budget app. Creating a cross-platform mobile application that could run on iOS and Android devices.
- Responsibility: Ann, Cameron, and Alexandra

5. Test Report
- A detailed plan outlining the testing strategy, including unit testing, integration testing, and system testing. The test plan defines test case and acceptance criteria. -   Responsibility: Cameron, Ann.

Milestone Events (DISCUSSION AND GANTT CHART)

Milestone 1: Project Design

Phase 1: Develop a Basic Functional Budget App for Android.

Report Date: 02/12

Description: Develop a simple functioning version of the app for Android.

Phase 2: Make the Basic App work for Apple.

Report Date: 02/12

Description: Develop a simple functioning version of the app for Apple.

Milestone 2: User Interface and Features

Phase 1: Design the User Interface

Report Date: 03/11

Description: Design an interface that allows the users to view and input their financial data.

Phase 2: Implement the Financial Tracking Features

Report Date: 03/11

Description: Adds features for tracking the user's income, expenses, and savings.

Phase 3: Add in the Visual Aids

Report Date: 03/11

Description: Add charts and graphs for better data visualization.

Milestone 3: Testing and Finalization

Phase 1: Testing the App

Report Date: 04/08

Description: Thoroughly test the app to make sure it is functional and offers a good user experience.

Final Report Date: 04/08/2024

Meeting Schedule Date/Time (DISCUSSION)
Every Thursday at 12:30pm (midday)

Collaboration and Communication Plan (DISCUSSION)
1. Communication channel will be text message by phone number. This will be a channel for discussion, development, and announcement.
    Response time: team members commit to responding to messages and every question within 24 hours during weekdays.
    Work Commitment: Agree to work on the project at least 5 to 8 hours every week per team member.
2. Regular meeting is on Thursday at 12:30pm in Team. Meeting duration is about 1 or more than 1 hour.
    Agenda: Project update and progress; discussion of challenge and roadblocks; planning for upcoming week.
    Note taker: Ann will take notes during the meeting and share them on the team meeting channel within 24 hours.
3. File sharing: GitHub will be the main platform for code repository and version control. GitHub offers a range of features and tools designed to facilitate efficient and collaborative development workflow.
4. Roles and responsibility
-   Team Lead: responsible for compiling progress reports, leading team meetings and coordinating communication with the instructor.
-   Team member: follow team lead instructions and finish their task before the deadline.

Project Schedule and Task Planning (GANTT CHART)
Think about some high-level concepts for work on your project and categorize them into the stages of the SDLC shown on the Gantt Chart.

Then provide a few tasks that support that activity using the Gantt chart. Note, this is the initial stage of your Requirements Analysis.

Use the attached "Gantt Chart" Excel file as a template or use other project management software (like MS Project) to build a similar one.

Note this file *may be* continuously adjusted based on project status if you are interested in tracking your actuals versus your estimates (optional, not required).

INSERT a screenshot of your Gantt Chart INTO your Project Plan and then submit the document separately as an excel file or pdf.

Project Name: SP26- Budget App purple
Report Date: 1/29/24

Deliverable	Tasks	Complete%	Current Status Memo	Assigned To	Milestone #1				Milestone #2				Milestone #3				C-Day	
					01/22	01/29	02/05	02/12	02/19	02/26	03/04	03/11	03/18	03/25	04/01	04/08	04/15	04/22
	Project Planning	100%	Complete	Ann, Cameron, Alexandra	5	5												
	Review requirements	10%	In the process	Alexandra		2	3	2										
Project design	Define tech required *	0%		Cameron, Alexandra			2	5	1									
	Database design	0%		Ann			10	10	5									
	Registration design	50%	In the Progress	Ann,Cameron				10	5	2								
	Main dashboard design	50%	In the progress	Cameron, Alexandra				15	10	5								
	Review the prototype design	0%		Ann, Cameron				2	5	12	5							
	Test prototype	0%		Alexandra							5	2	1					
Development	Log-in page implementation	0%		Cameron, Alexandra							15	10	8					
	Dashboard implementation	0%		Ann, Cameron									20	15	10			
	Adding database	0%		Cameron										10	5	3		
	Review the implementation	0%		Cameron, Ann											5	10	15	
	Test the software	0%		Alexandra											5	3	2	1
Final report	Presentation preparation	0%		Ann, Cameron, Alexandra												4	6	3
	Poster preparation	0%		Cameron												2	3	4
	Final report submission to D2L and project owner	0%		Cameron														1
			Total work hours	292	8	7	15	44	26	19	25	12	29	35	28	26	10	8

* formally define how you will develop this project including source code management

Legend	
Planned	
Delayed	
Number	Work: man hours

Other Planning - Like Risk Assessment (Optional, not required)

1. Task Dependencies: Identify dependencies between different tasks and team members. Plan for dependencies that might cause delay.
2. Limited testing time: Inadequate time for testing may result in undiscovered bugs or issues, leading to unwanted problems.

Version Control Plan (DISCUSSION)

1. Create a Group Organization Account in GitHub named SP-26 PURPLE BUDGET APP includes three team members: Ann, Cameron, and Alexandra. This organization will serve as a centralized space for hosting repositories and managing access.
2. Create a repository named BUDGETAPP. Initialize the repository by README file. Explain about the budget project.

Resources and References

- http://en.wikipedia.org/wiki/Project_plan
- http://www.projecttimes.com/articles/10-steps-to-creating-a-project-plan.html
- http://www.easyprojects.net/blog/2012/03/19/project-management-101-what-are-milestones/

DELIVERABLE INSTRUCTIONS

Save project plan document as a file named   ProjectNumber-ProjectTitle-ProjectPlan.docx or .pdf.

Submit Gantt Chart as ProjectNumber-ProjectTitle-GanttChart.xls or .pdf.

Do not submit a zip file.

The last step is to submit the doc/pdf files to D2L by the due date.

NOTE YOU ARE SUBMITTING TWO FILES!

No zip file or email submissions are accepted.

Late penalties of 10% per day are in effect for this assignment.