

SP-26 Blue Budget

CS 4850 - Section 02– Fall 2025

Aug 26, 2025

Sharon Perry

Charles LaPlatney	Kevyn Lopez	Camen McDaniel	Zoe Faju	Sarbani Adhikari
				

Team Members:

Name	Role	Cell / Email
Sharon Perry	Advisor	sperry46@kennesaw.edu 470.578-6005
Chris LaPlatney	Developer / Documentation / Team Leader	claplatn@students.kennesaw.edu 404.775.3970
Kevyn Lopez	Developer	klopez48@students.kennesaw.edu 229.402.8455
Camen McDaniel	Tester	cmcdan45@students.kennesaw.edu 404.940.5640
Faju Zoe	Developer/Documentation	zfaju@students.kennesaw.edu 202.754.3102
Sarbani Adhikari	Documentation	sadhika7@students.kennesaw.edu 404.940.5640

Abstract:

The goal of our project is creating a budgeting app that is designed to assist users with managing their finances. The app's interface will provide the user with the ability to use visual aids such as charts and graphs to help users understand spending and decisions, setting goals and monitoring progress, and using visual aids such as charts and graphs to help users understand decisions and spending.

Project Website:

<https://bluebudgetapp.com> (generic placeholder)

Deliverables:

The final deliverables for the SP-26 Budget App Project will include:

- Final Report (with all documentation)
- Source Code Repository (Github)
- Public Website (url here)
- Gantt Chart (Excel/PDF)
- Final Presentation/Video
- Project Poster

Group Meeting Schedule Date/Time:

The team will meet weekly on Microsoft Teams every Thursday at 7:00PM. Day-to-day communication will be handled through Discord and GroupMe.

Collaboration and Communication Plan:

Communication: Teams, Cellphones (iMessage Group chat)

Collaboration: Discord (in between weekly status meetings), Google Docs, Microsoft Teams

Project Schedule & Deliverables:

1. Develop a budgeting app that is designed to help users manage their finances in an easy and functional way.
 - a. The home tab shows users the current balance, savings, and how much they have spent that month.
 - b. Able to upload financial information to the app.
 - c. Privacy-focused data practices and two-factor authentication with email.
2. Create an interface that can support: tracking income, expenses, and savings.
 - a. Has categories for savings (traveling, food, big purchases).
 - b. Able to quickly change your goals for the month.
 - c. Recurring bills come with reminders.
3. Create personalized goals for users and monitor progress.

- a. Monthly spending limit.
 - b. Total savings goals.
 - c. Add a limit on the categories you deem fit.
4. include visual aids to assist users in making responsible spending decisions.
- a. Includes a pie chart that breaks down the category of the spending and a spending bar that compares to your income.

Milestone 1: 09/02/2025 - 09/23/2025

- Complete the initial project scope and get requirements
- Get a fundamental understanding of metrics: User interface design, reporting standards, budget app terms
- Define the technology required.
- Setup development environment
- Begin workshop for the Project Website

Milestone 2: 09/30/2025 - 10/21/2025

- Get to around 80% completion for the requirement specifications
- Finishing user research for budgeting features
- Create product documentation & test and debug.
- Align requirements with SH
- Be 90% done with the website
- Integrate UI, API, and the database management system
- Prototype of Product, Develop the UI/UX prototypes
- Design Database structure
- ...

Milestone 3: 10/28/2025 - 11/18/2025

- Presentation Preparation
- Validate Core requirements
- Application is complete
- Finish Documentation
- Final Submission to D2L and Project owner

Risk Assessment:

Potential project risks include:

- Plaid API dependency - Sandbox or access changes may affect development
- Scope increase - Unplanned features may increase workload
- Team scheduling conflicts - Availability differences across members

Mitigation: early testing of Plaid, milestone check-ins with scope reviews, and weekly team syncs to align schedules.

Version Control Plan:

The project will use a Github Organization repository for source code. This ensures proper version control, collaboration, and accountability across all team members.

Gantt Chart

Project Name: SP-26 Blue Budget		Report Date: 8/31/2025		Deliverable	Tasks	Complete%	Current Status Memo	Assigned To	Milestone #1				Milestone #2				Milestone #3				C-Day			
09/02	09/09	09/16	09/23						09/30	10/07	10/14	10/21	10/28	11/04	11/11	11/18	11/25	12/02						
Requirements	Meet with stakeholder(s) SH	0%		Sarbani, Chris			5																	
	Analyze current solutions	0%					5	5																
	Define requirements	0%					10	10	10															
	Align requirements with SH	0%						5	5															
	Review final requirements	0%							10	5	4													
Project design	Define tech required *	0%		Chris, Camen					10	4														
	Create system architecture	0%							5	10	10													
	Database design	0%								10	10													
	Develop UI/UX prototypes	0%							5	5	10	10	5											
	Review design documents	0%								10	10	5												
Development	Setup development environment	0%		Sarbani, Kevyn						5	10	5												
	Create API & database system	0%								10	20	20	10											
	Develop frontend and business logic	0%								10	15	15	10											
	Integrate UI, API, & DBMS	0%									10	15	10											
	Validate core requirements	0%									5	10	10											
	Create product documentation	0%									5	10	10											
Final report	Test and debug product	0%		Sarbani, Kevyn, Camen							10	10	10											
	Finalize and deploy product	0%									8	5	5											
	Presentation preparation	0%										10												
	Poster preparation	0%		Chris								15	10											
	Final report submission to D2L and project owner	0%										10	10											
								Total work hours		506	20	20	25	25	23	40	35	40	40	58	65	55	35	25
<i>Legend</i>																								