

Bangladesh University of Bussiness And Technology

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Project Proposal

Expense Tracker

**CONTRIBUTOR**

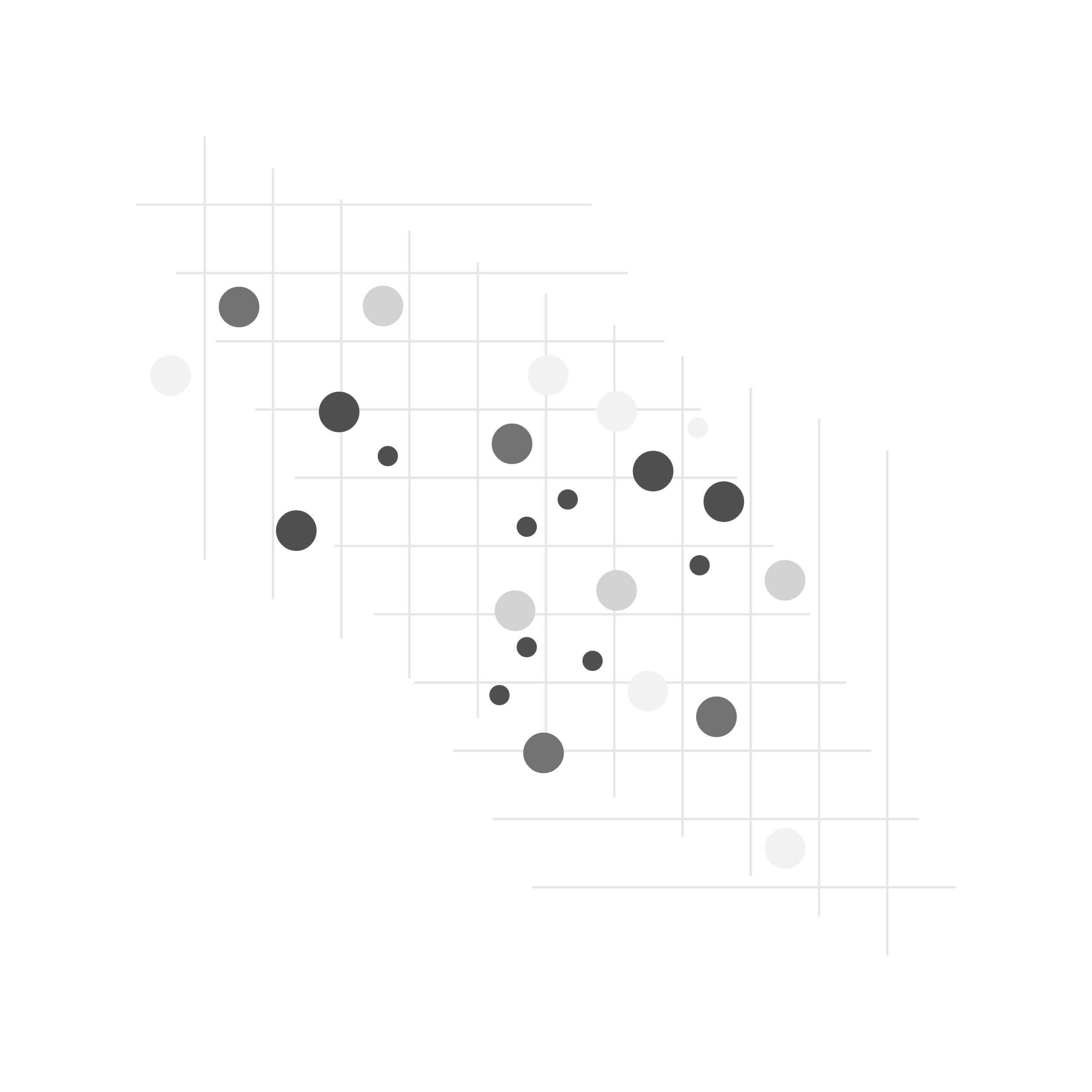
Under Supervision Of:

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Problem Definition:

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We observe that, Now-a-days world is becoming more and more expensive and wide. Also, each and everything depends on money. Everyone wants a luxurious and peaceful lifestyle. Only convenient and efficient ways to manage personal finances can make it happen.

So, we want to build a system that is designed to help individuals and businesses keep a record of their financial transactions and expenditures. We called it **Expense Tracker**.

Objective:

Expense tracker systems were developed to address the need for convenient and efficient ways to manage personal and business finances. They offer features like automatic transaction imports, expense categorization, and budgeting tools, making it easier to keep track of spending. These apps generate detailed reports and analytics, helping users understand their financial habits and make informed decisions.

* Money Review
* Spend Amount

They also help us prepare for unforeseen emergencies by outlining regular expenses. It provides a sense of financial control and reduces the stress associated with money management.

Recourses:

We have used some functions and features of Objects Oriented Programming (OOP) in C++ to build the software. Some of those are File management system, handling, directory handling, structure, string, functions, looping statement, conditions etc.Methodology:

In this software there will be only three parts.

Main Algorithms:

* Start
* Main Menu
  + Add Budget of Specific Month
* Money Review.
  + Showing your Expense.
* Spend Amount.
  + Food
    - Enter Amount
  + Cloth
    - Enter Amount
  + Living
    - Enter Amount
  + Transportation
    - Enter Amount
  + Education
    - Enter Amount
  + Medical
    - Enter Amount
* Change in Budget
  + Subtract Money
  + Add More Money

We kept all the data with a specific time. Also, when and how your money expends. We will store everything on file. User can check his expense history anytime. We must create a file for each sector so that might be an easy process to check expenses.

Features:

These are key features of our software.

* Know Where Your Money Goes
* Real-Time Tracking
  + These apps enable real-time tracking of expenses. Users can record expenses as they occur, making it easier to stay up to date with their financial transactions and maintain accurate records.
* Automation
* Categorization
* Analytics and Reports
* Avoid Mistakes
* Stay Organized

Future Goal:

* AI-Powered Insights:
  + Implement artificial intelligence to analyze spending patterns and offer personalized financial advice and insights to help users save more efficiently.
* Enhanced Security:
  + Continuously improve security features to protect against evolving cyber threats and ensure user data remains safe.
* Blockchain Integration:
  + Explore blockchain technology to enhance transparency and security in financial transactions and record-keeping.
* Cryptocurrency Support:
  + Incorporate the ability to track and manage cryptocurrency holdings and transactions as they become more common in personal finance.
* Voice and Natural Language Interaction:
  + Integrate voice recognition and natural language processing for hands-free expense logging and reporting.

Conclusion:

The future of expense tracking holds exciting possibilities, with technology continuing to play a significant role in reshaping how individuals and businesses manage their finances. As we move forward, the focus should remain on providing users with increasingly intuitive, secure, and personalized tools that empower them to take control of their financial well-being. By combining innovative features with a commitment to user privacy and data security, expense tracker applications can continue to evolve and adapt to the changing needs of a dynamic financial landscape, ultimately helping users achieve their financial goals with greater ease and confidence.

Request for Approval:

We kindly request your approval to proceed with the implementation of the expense tracker system. Your support for this initiative will help us modernize our financial management processes, improve transparency, and achieve greater financial control.

If you have any questions or require further information, we are prepared to provide a detailed presentation or any concerns you may have.

Thank you for your attention to this important matter. We look forward to your positive response.