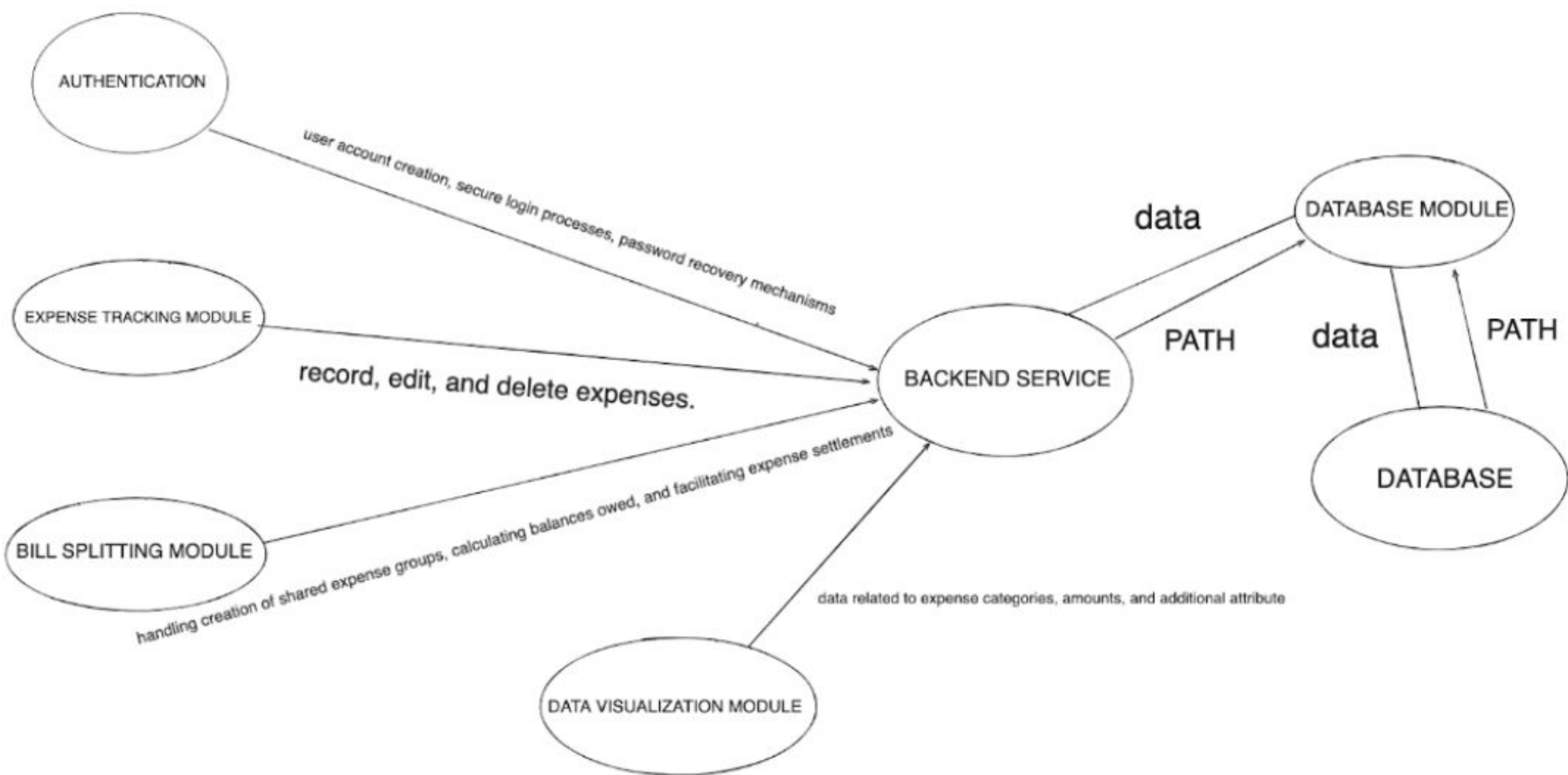


## Motivation

The ShareWize Expense Sharing Web App aims to provide a user-centric solution for simplifying bill splitting and expense tracking within social circles. With a focus on ease of use and financial transparency, our goal is to empower users to efficiently manage shared expenses among friends, roommates, and other groups. Leveraging web-based technology, our solution prioritizes adaptability for seamless mobile usage. Previous documents, including the Software Requirements Specification (SRS) and Design, outline the project's detailed specifications and architectural considerations.

## Engineering Overview

### Component Diagram



### Tools Used



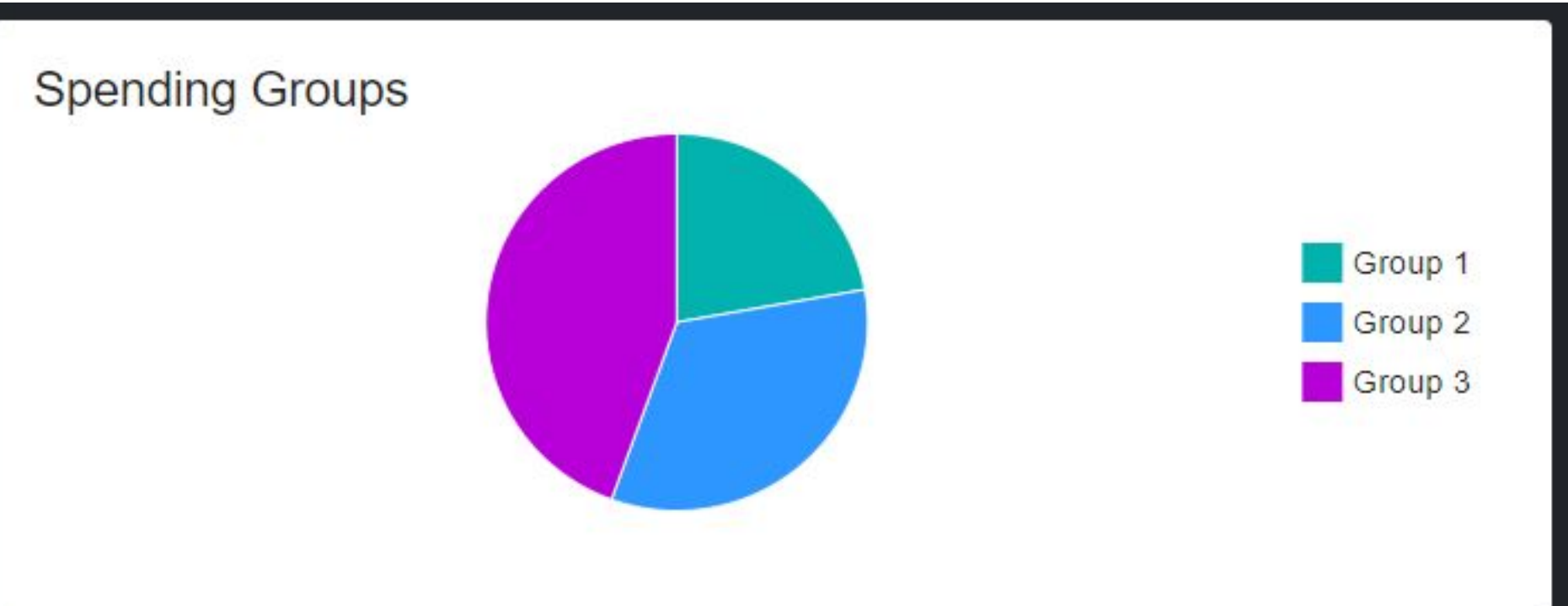
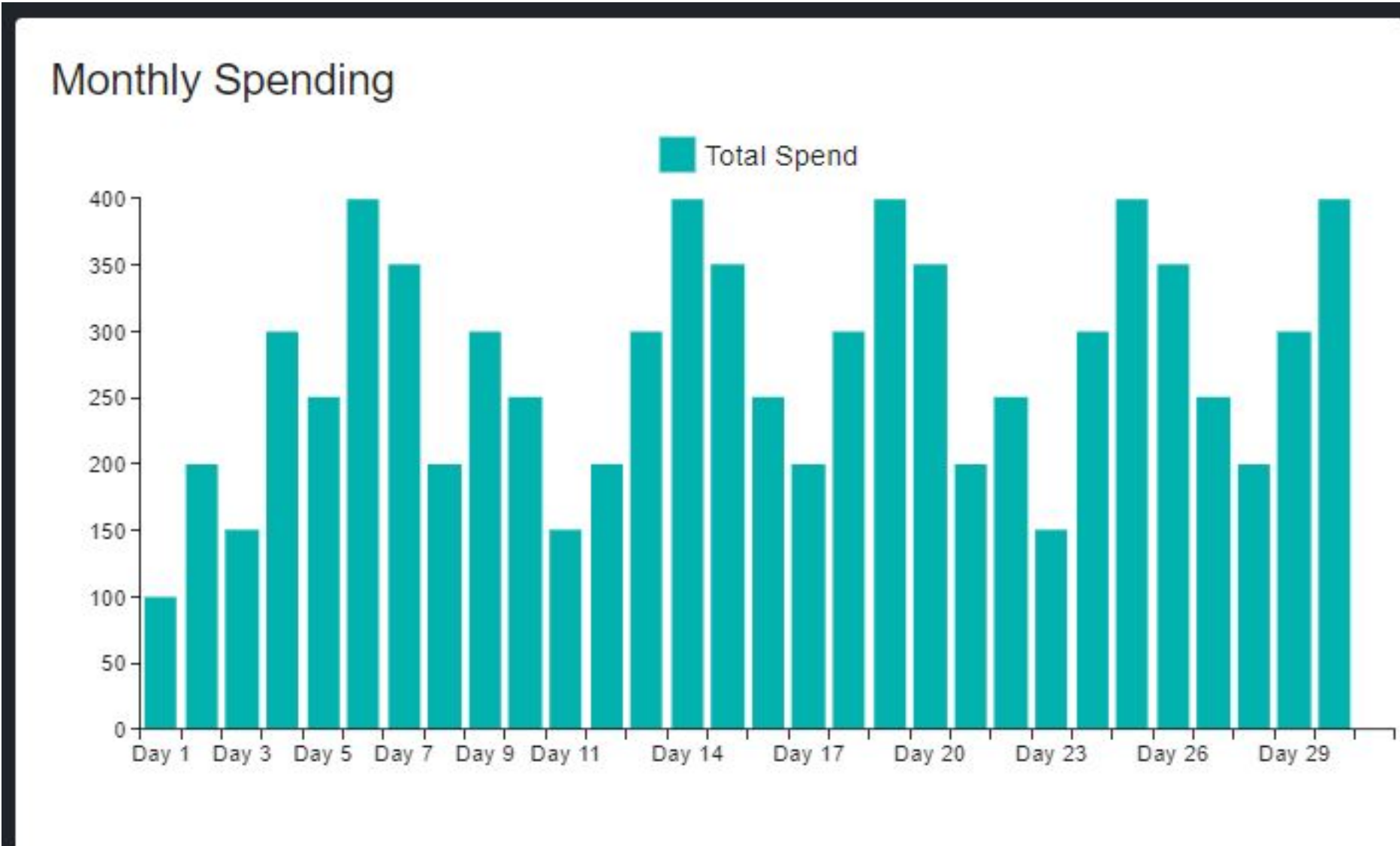
### Stakeholders

**Users:** The primary stakeholders of our expense-sharing app include groups of friends, roommates, and individuals seeking seamless expense management.

**Developers:** Our team of 4 students collaboratively develops and iterates on the app's features and functionality.

**Instructors:** Academic advisors provide guidance and oversight to ensure the project progresses effectively within academic standards.

## Key Features



### Expenses

Sort By: Date ▾

Description: Paper

- Arun - arrathaur5380@gmail.com -63

Amount: \$50

Group: Arun Block

Date Made: 2024-03-19

Percentage: 100%

Amount owed: \$50.00

Accept Decline

Description: pen

- Arun - arrathaur5380@gmail.com -63

Amount: \$10

Group: Arun Block

Date Made: 2024-03-19

Percentage: 50%

Amount owed: \$5.00

Settle Expense

Transaction History

Sort By: Date ▾

Description	Amount	Group	Date Paid
DOns	\$100	Test	3/17/2024
another one	\$17	Test	3/17/2024

### Login

Sign in as James  
jamesking999898@gmail.com ▾



### Settle Expense

Email: singhaarondeep112@gmail.com ▾

Settlement Amount: 260

RBC Royal Bank  
CIBC  
Scotiabank  
TD Bank

Close Confirm Payment

### Create a New Group

Group Name:

CREATE GROUP

### Groups

Requests

Arun Block

ACCEPT DECLINE

My Groups

TEST GROUP 4 HELLO HI ARUNS GROUP OKOK

### Add Expense

La Piazza

\$50

CUSTOMIZE SPLIT ADD EXPENSE

### Customize Expense Split

jamesking999898@gmail.com

50

arrathaur5380@gmail.com

25

arathaur5380@gmail.com

Percentage

## Key Benefits

- User-Friendly Expense Tracking: Simplified expense logging and categorization.
- Automatic Bill Splitting: Automated calculation of shared expenses.
- Real-Time Balances: Displaying who owes what within the group.
- Payment Reminders: Automated reminders to settle outstanding balances.
- Expense Reports and Insights: Visualising spending patterns and generating reports.
- Secure and Private: Ensuring data privacy and security through encryption.

## Our Team

**Ayaz Lockhat**, Computer Science  
**Veeral Patel**, Computer Science  
**Arun Rathaur**, Computer Science  
**Mubtasim Rahman**, Computer Science

## Future Directions

- Integration with payment gateways (or banks) to send money directly through the app
- Full-scale public mobile application
- Revenue considerations
- Further enhancements