Citizen engagement in budgeting Participatory Budgeting

Seminar Public Services

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Introduction

- Enhance Citizen Engagement: We aim to involve citizens more in budget decisions, empowering them to have a say in how public money is spent
- Transparency: Our goal is to make the budgeting process more open and understandable, ensuring that citizens can easily see where their tax francs are going Effective use of public funds: By involving citizens in the budgeting process, we aspire to align spending with actual community needs, reducing wastage and misallocation of resources
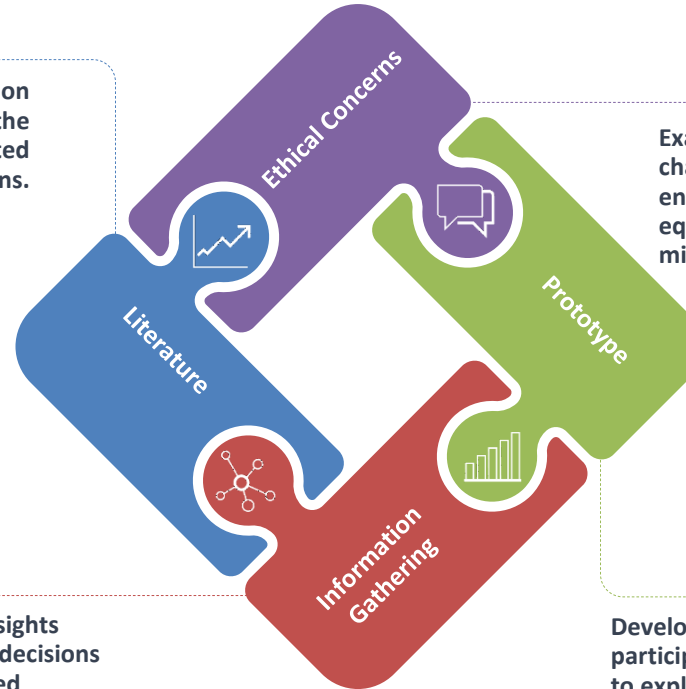
Background and Motivation

Our research is motivated by the need to delve into the world of participatory budgeting, examining its current practices and potential for improvement

Exploration of Participatory Budgeting

Community Engagement Impact

We aim to understand how participatory budgeting initiatives impact community engagement, seeking insights to enhance citizen involvement in decision-making

The alignment of public spending with actual needs is a critical concern. Our research intends to assess the effectiveness of participatory budgeting in achieving this alignment

Alignment of Public Spending

Fostering Inclusivity and Transparency

The alignment of public spending with actual needs is a critical concern. Our research intends to assess the effectiveness of participatory budgeting in achieving this alignment

Methodology

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1 Literature

Examine existing studies and publications on participatory budgeting to understand the concepts, benefits, and challenges associated with involving citizens in budget decisions.

Ethical Concerns 3

Examine potential ethical dilemmas and challenges arising from participatory budgeting, ensuring that the process respects fairness, equity, and privacy, while seeking solutions to mitigate such concerns.

Ethical Concerns

Literature

Prototype

Information Gathering

2 Information Gathering

The systematic collection of data and insights from various sources to make informed decisions and solve problems. It's vital for informed choices in diverse areas

Prototype 4

Develop a functional prototype of the participatory budgeting platform, allowing citizens to explore and provide feedback on its features, ensuring it aligns with their needs and expectations before full implementation.

Prototype Mobile App

Augmented Gamification :

-Enhancing Democracy processes.
-Gamifies goal-setting, resource distribution, and issue marking.

Streets Marking :

-Basic functionality: Marking issues on streets.
-Initiates discussions and positive contributions.

Prototype Mobile App

- Technology Stack:
  - Core Engine: Unity3D
  - OpenSource plugins (ARKit, ARTools)
  - Transitioning to Godot (MIT licensed) for a fully OpenSource project.
- Server Side:
  - Apache 2 server and
  - MySQL instance
- Geospatial Data:
  - Utilizes OpenStreetMaps for development.
  - Enhances location-based features.

Prototype Web App

- Technology Stack:
  - Build on Ruby On Rails
  - Ruby Gems
  - RAKE
  - OpenSource Project
- Server Side:
  - Postgres SQL
- Geospatial Data:
  - Utilizes OpenStreetMaps for development.
  - Enhances location-based features.

Prototype Web App
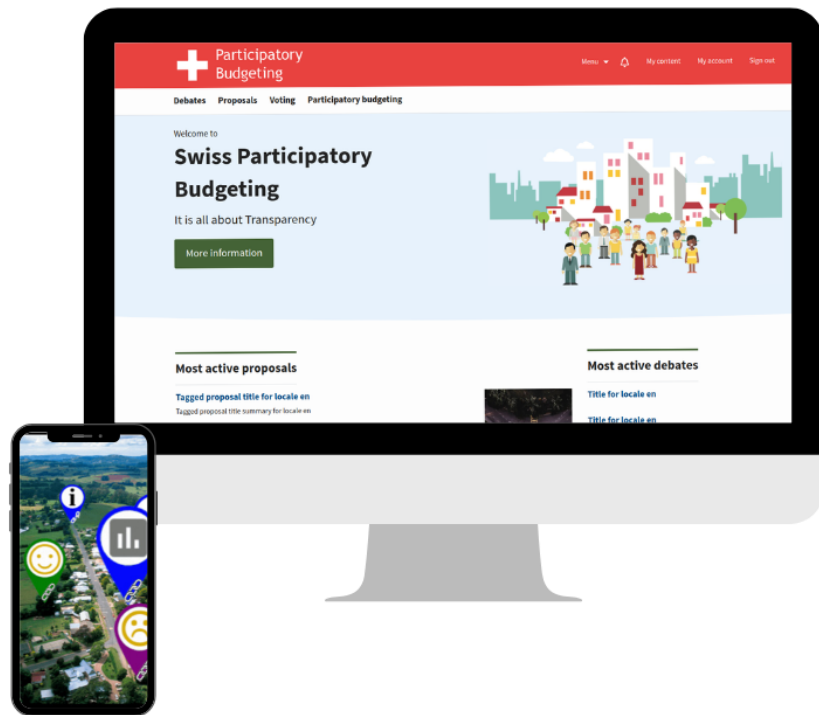
Features

Debates

Open discussions on any topic, valued by all to highlight crucial issues

Proposals

Create and gain support for your proposals. Voted proposals address important matters collectively

Participatory Budgeting

Directly decide how part of the budget is spent, with strict evaluation. Ensures effective control and satisfaction for all
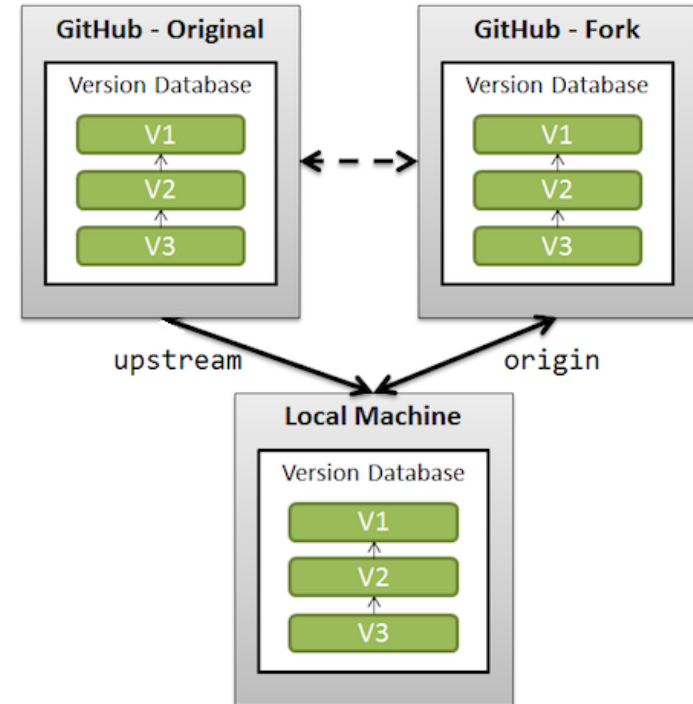
Voting

Easily decide on key issues from your phones or website using a secure voting system.

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Used by cities and organizations all over the world
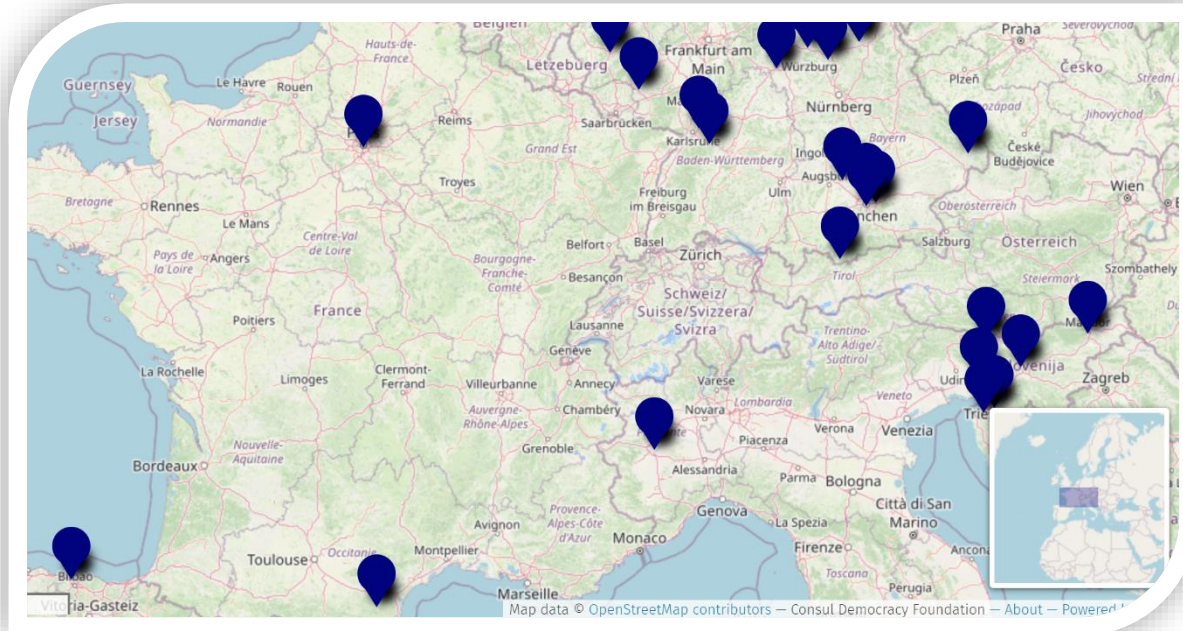
- Tools Required for Deployment:
    - Dedicated Server Ubuntu
    - Web Server Ngix or Apache2
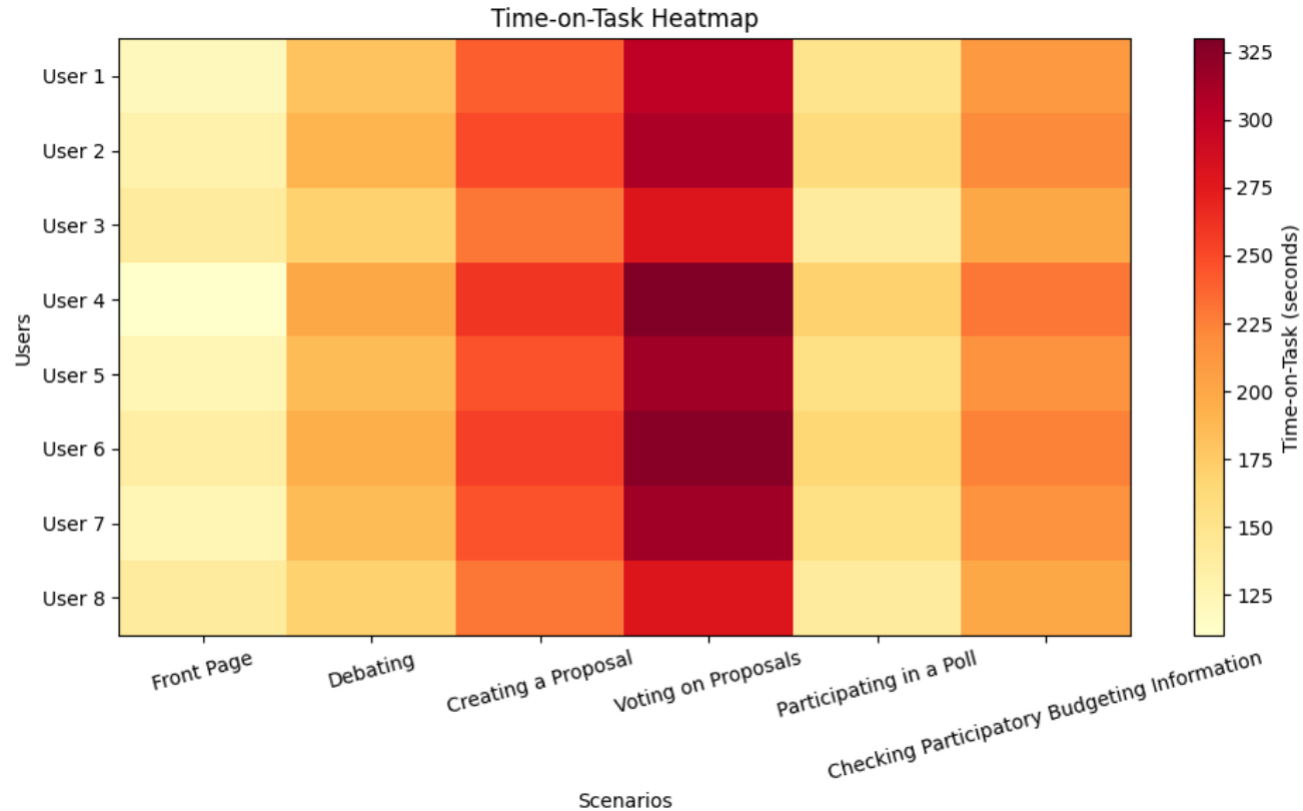   - LAMP (Linux, Apache,Mysql, PHP)
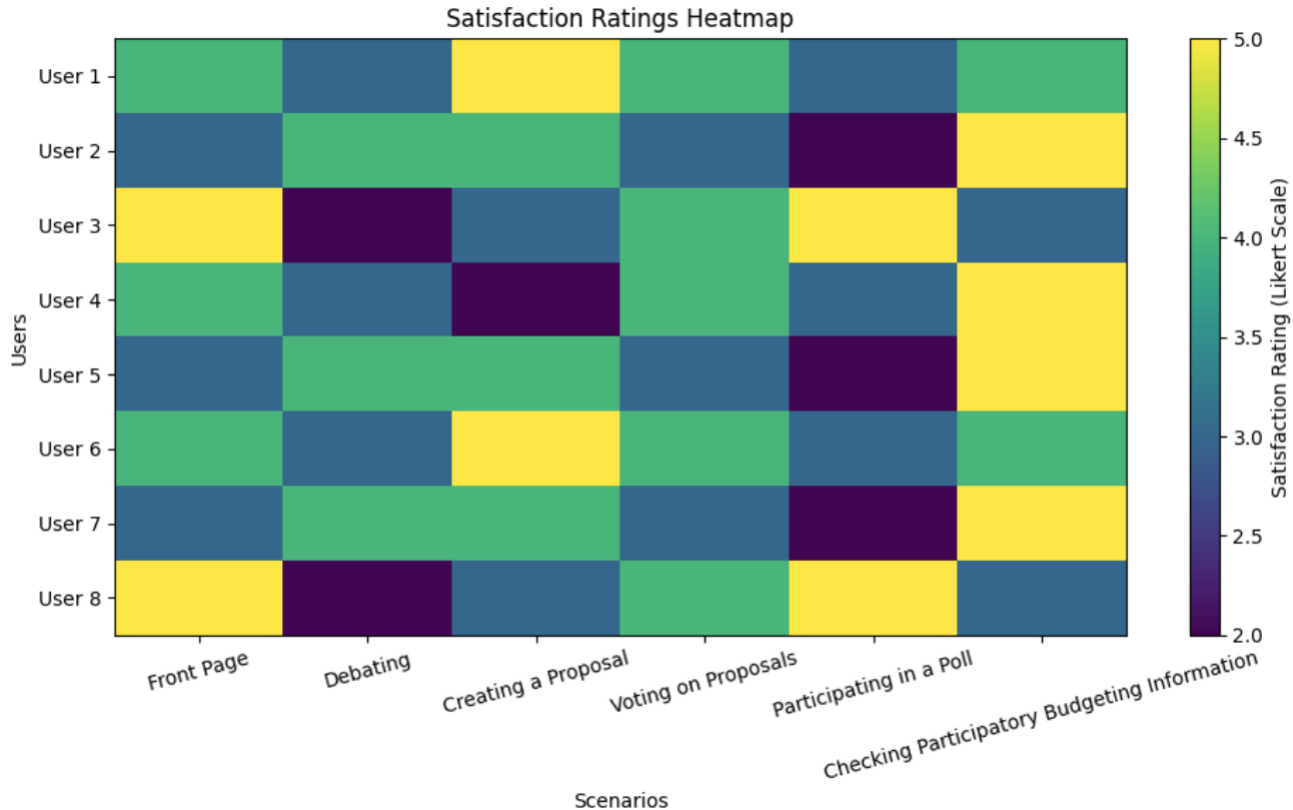
- Deploying under MIT License

Evaluation

Usuability Evaluation

Users	Age	Familiarity	Duration avg	Overall rating
P1	28	Low	20 min	4
P2	31	High	25 min	3
P3	42	Moderate	15 min	5
P4	31	Low	20 min	4
P5	22	Moderate	20 min	3
P6	39	Low	25 min	5
P7	26	Moderate	20 min	4
P8	47	Moderate	15 min	3

Evaluation

Time-on-Task Heatmap

Evaluation

Satisfaction Ratings Heatmap

Evaluation

Average Satisfaction Ratings for Different Scenarios

Evaluation

Average Time-on-Task for Different Scenarios

Evaluation

User Requirements for Improvement
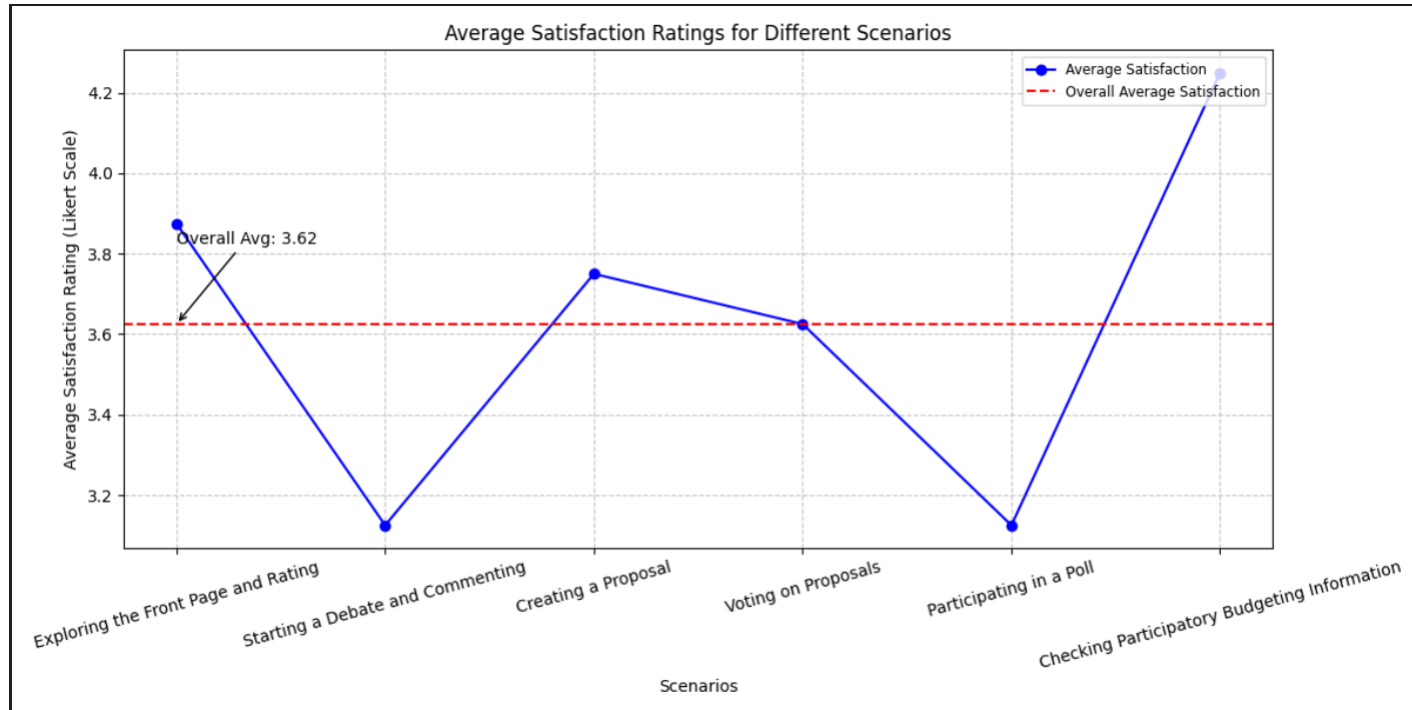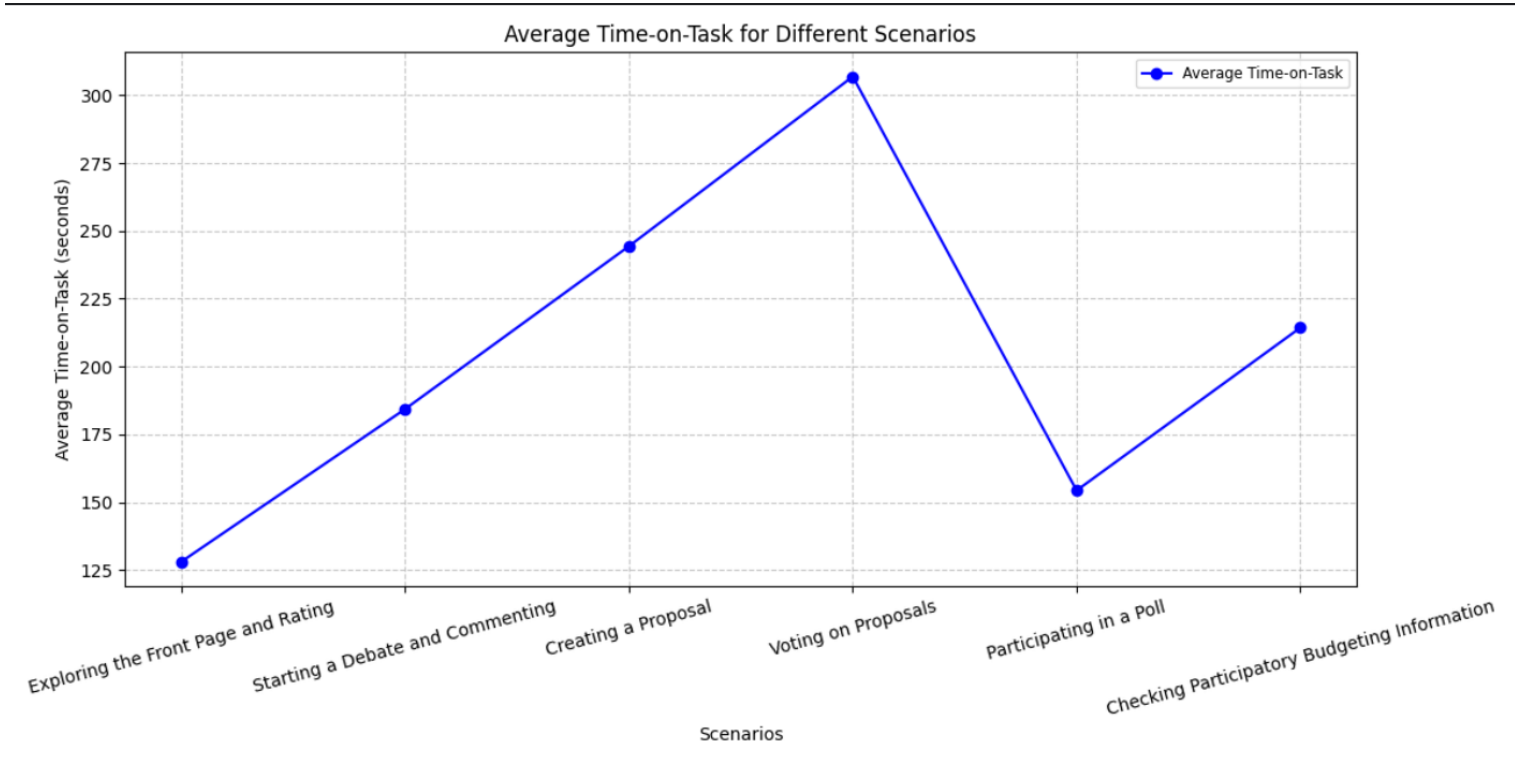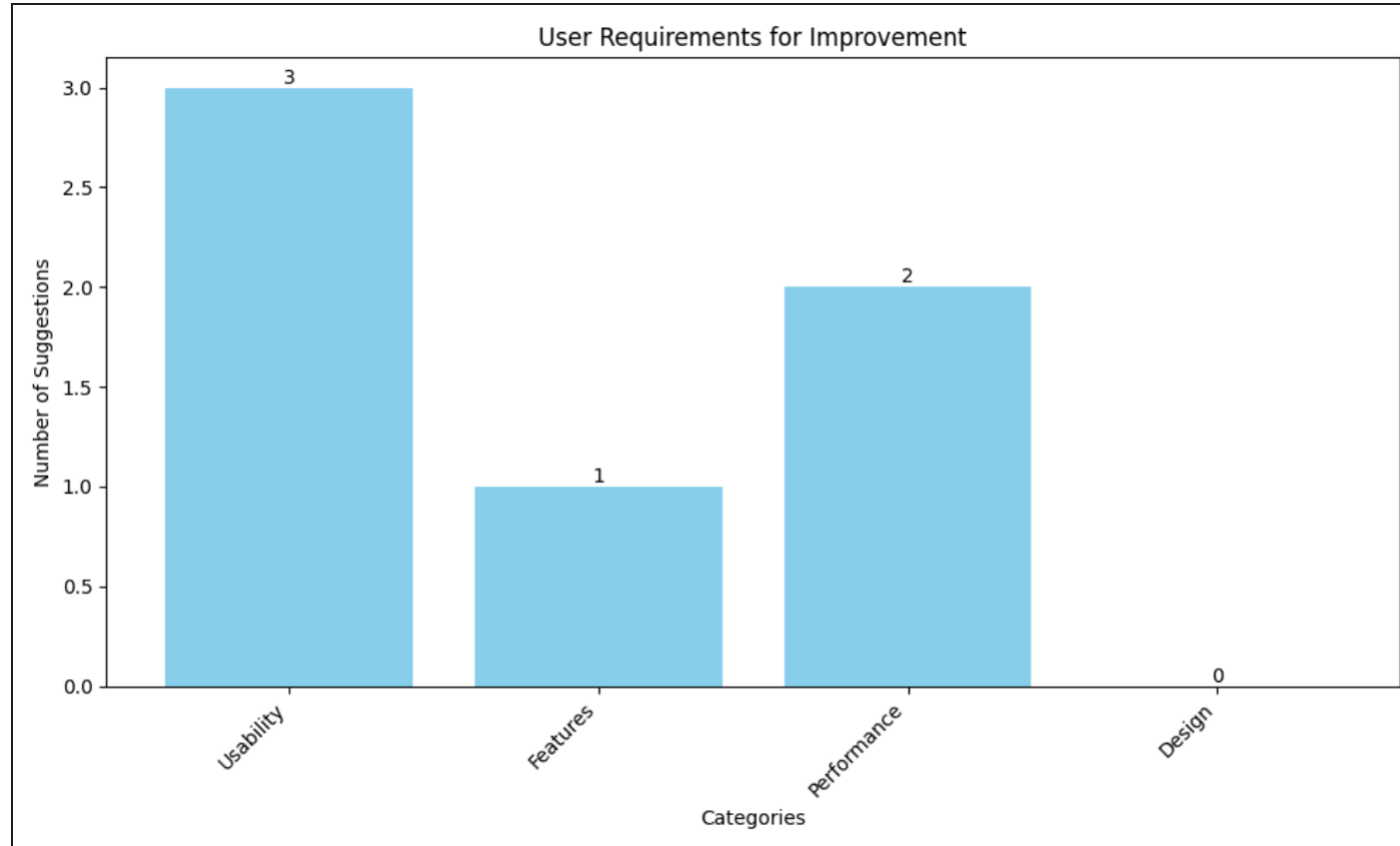
Outcome

Enhanced Transparency and Trust

Increased Community Participation and Empowerment

Improved Allocation of Resources

Thank you for your attention! ☺