Final Project Presentation –
Deliverable 3

SUSTAINABLE LIVING PLANNER

By Group 10

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TRANSFORMING AWARENESS INTO SUSTAINABLE ACTION

- Problem: Despite growing awareness of environmental issues, there is a gap in actionable tools to facilitate change.
- Our Solution: A digital platform that empowers individuals and communities to track, learn, and adopt sustainable practices through technology, gamification, and community engagement.

WHY NOW? WHY US?

- Rising demand for tools that guide eco-conscious behavior.
- Serves individuals, households, communities, and sustainability-oriented organizations.
- Revenue models: subscriptions, freemium, partnerships, and advertising.
- Informed by market research and competitor analysis.

A ROBUST AND SCALABLE TECH FOUNDATION

- Frontend/Backend: React (with Next.js), Python (with Django)
- Database:Firebase
- Hosting: AWS
- Features:
  - IoT and smart home integration
  - Secure data management
  - Scalable architecture

💡 SOLUTION SHOWCASE

- AI-Powered Personalized Tips
- Real-Time Resource Tracking
- Community Forums & Sustainability Projects
- Smart Home Integration (IoT)
- Gamification (Points, Badges, Rewards)
- Educational Modules & Campaigns
- Visuals: Dashboard, leaderboard, tracker, etc.

🔧 PRACTICALITY & FEASIBILITY (OPERATIONAL & FINANCIAL)

Operational Feasibility:-

Resource Availability: We'll evaluate team skills and address gaps through hiring, outsourcing, or training to ensure successful project execution.

User Adoption: By prioritizing intuitive design and iterative feedback, we aim to drive user engagement and streamline onboarding.

Financial Feasibility:-

Cost-Benefit Analysis: We'll assess development and operational costs against expected benefits to determine the project's overall feasibility.

Revenue Models: Various monetization strategies will be explored and validated through research to maximize financial returns.

Best Practices for Financial Feasibility Analysis

BUDGETING

Total Budget: $575,000
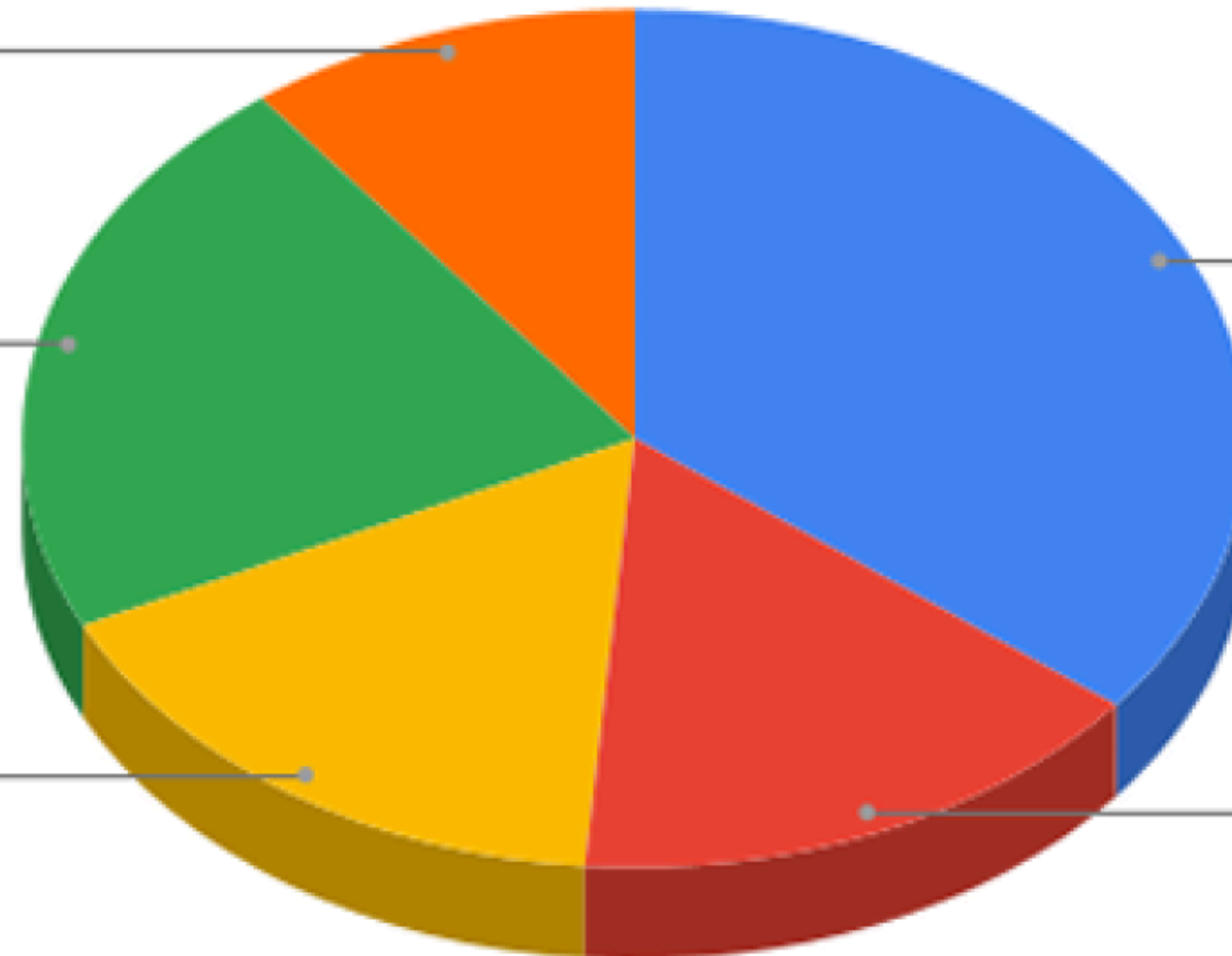
Estimated Cost (CAD)

Contingency Fund
10.4%
$60,000

Ongoing Maintenance
21.7%
$125,000

Marketing and
16.5%
$95,000

Development Costs
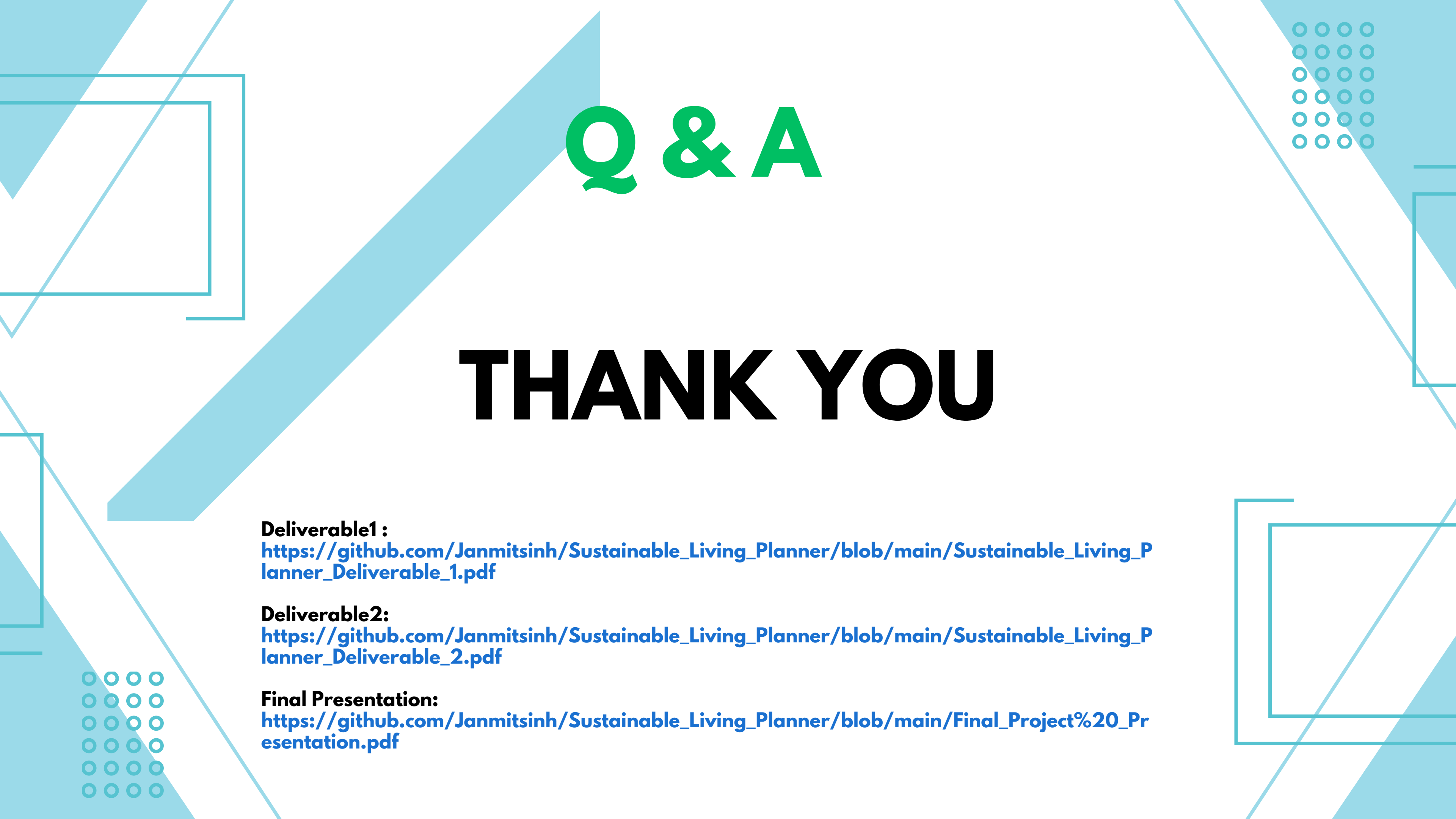35.7%
$205,000

Testing Costs
15.7%
$90,000

TOP RISKS

- Insufficient Funding

- Continues Scope Creep

- Inadequate Collaboration

- Low User Engagement

- Quality Constraint

- Attrition - Key Developer Leaving Project

RISK MITIGATION STRATEGIES

- Follow agile methodologies closely.

- Prioritize features in line with strategic objectives

- Perform consistent evaluations of project scope

- Adopt cost-efficient development approaches to enhance resource use and

  feature implementation

- Apply quality assurance procedures

- Enhance communication and marketing approaches

Q & A

THANK YOU

Deliverable1 :
https://github.com/Janmitsinh/Sustainable_Living_Planner/blob/main/Sustainable_Living_Planner_Deliverable_1.pdf

Deliverable2:
https://github.com/Janmitsinh/Sustainable_Living_Planner/blob/main/Sustainable_Living_Planner_Deliverable_2.pdf

Final Presentation:
https://github.com/Janmitsinh/Sustainable_Living_Planner/blob/main/Final_Project%20_Presentation.pdf