

Digital Wallet for Green Travel

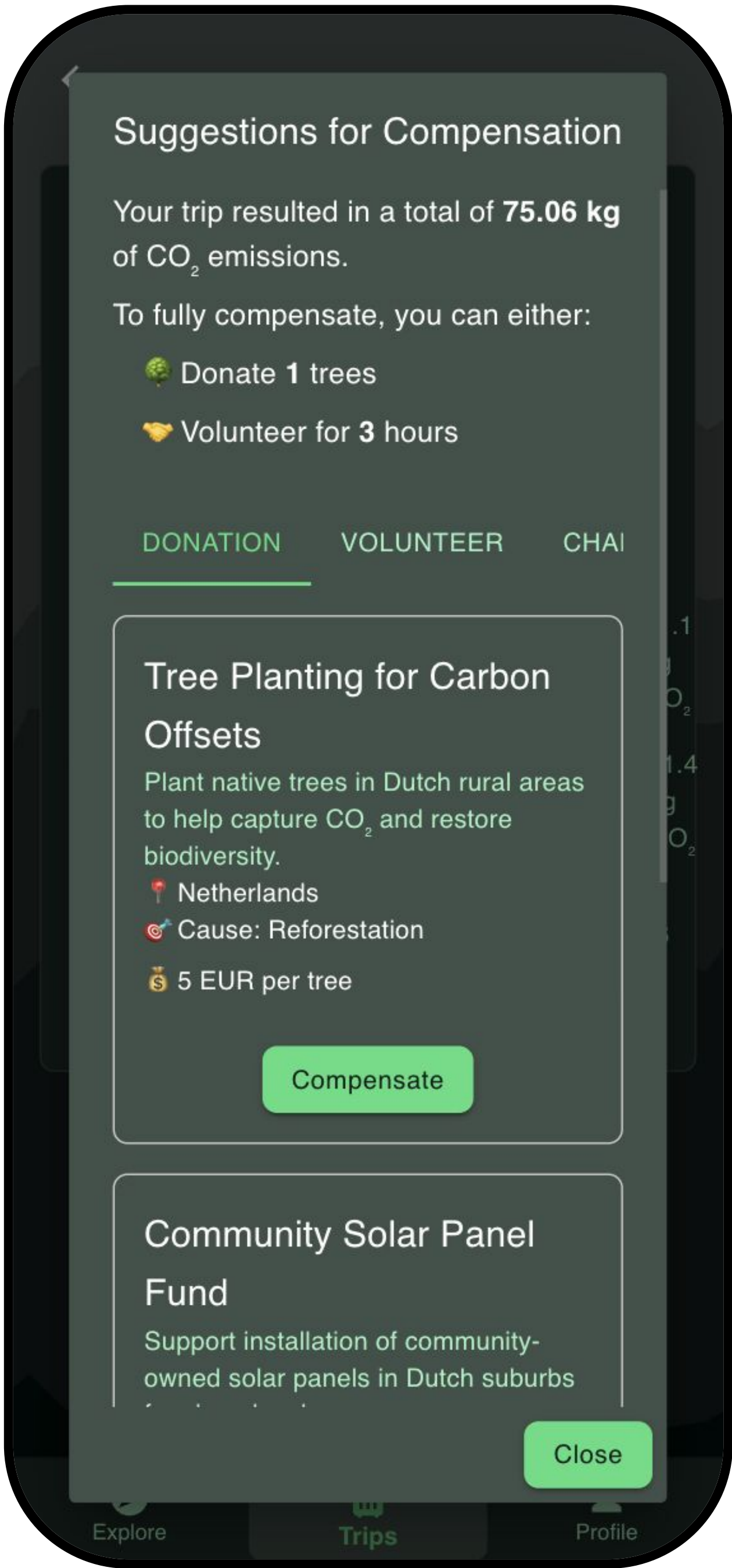
A Design Science approach for development of a Proof of Concept

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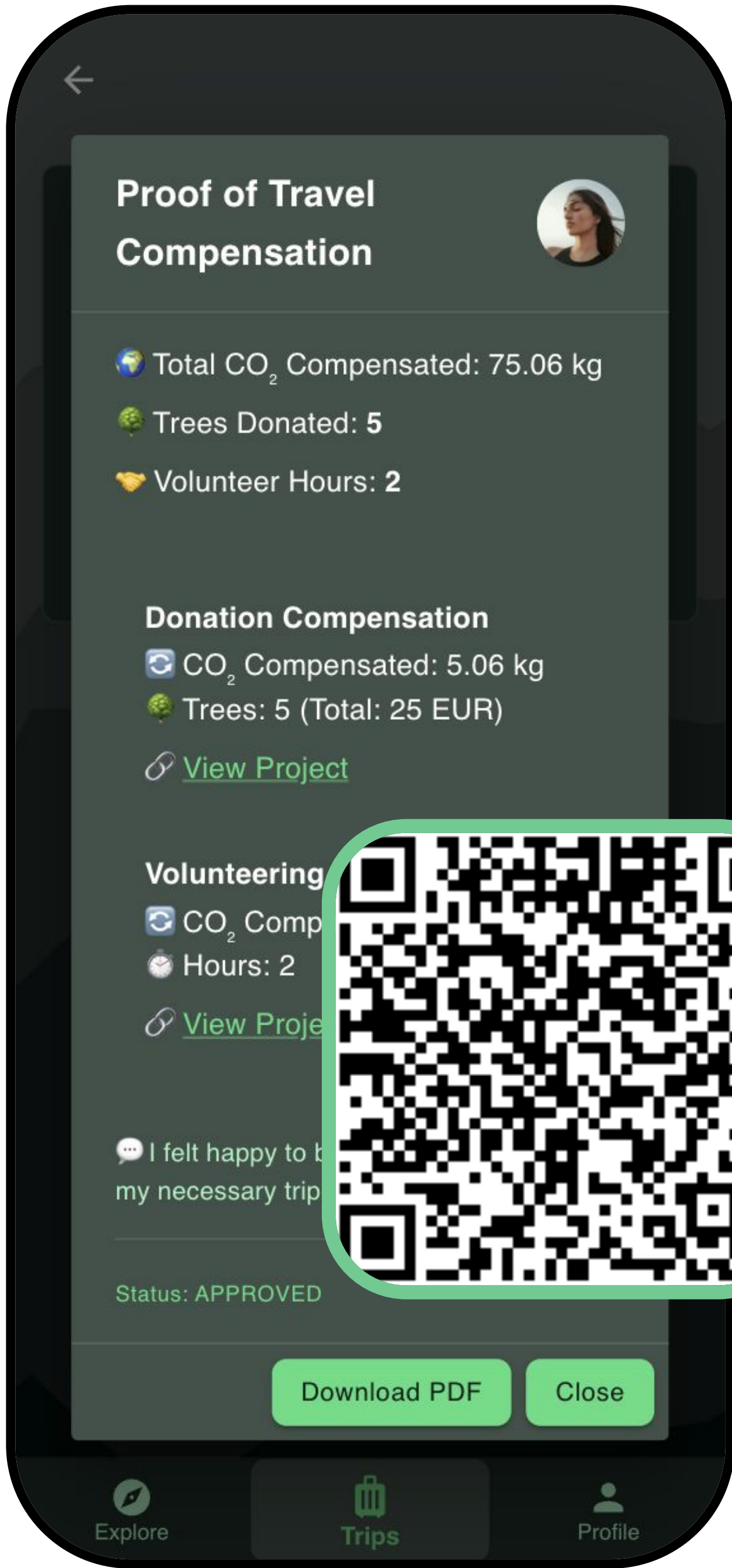
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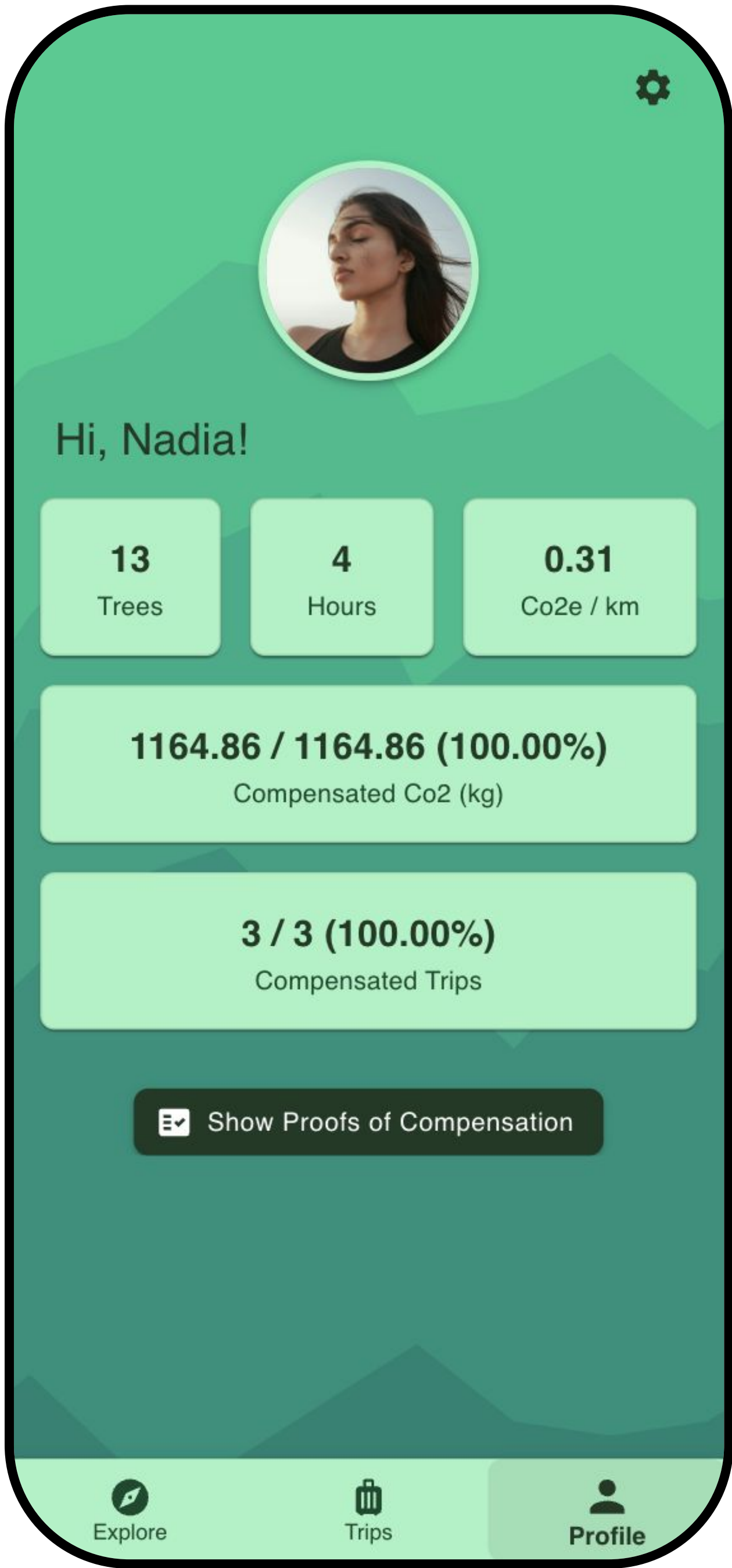
1) Manage your trips and emissions



2) Compensate in a meaningful way



3) Receive your Proof of Compensation



4) Track your compensation impact

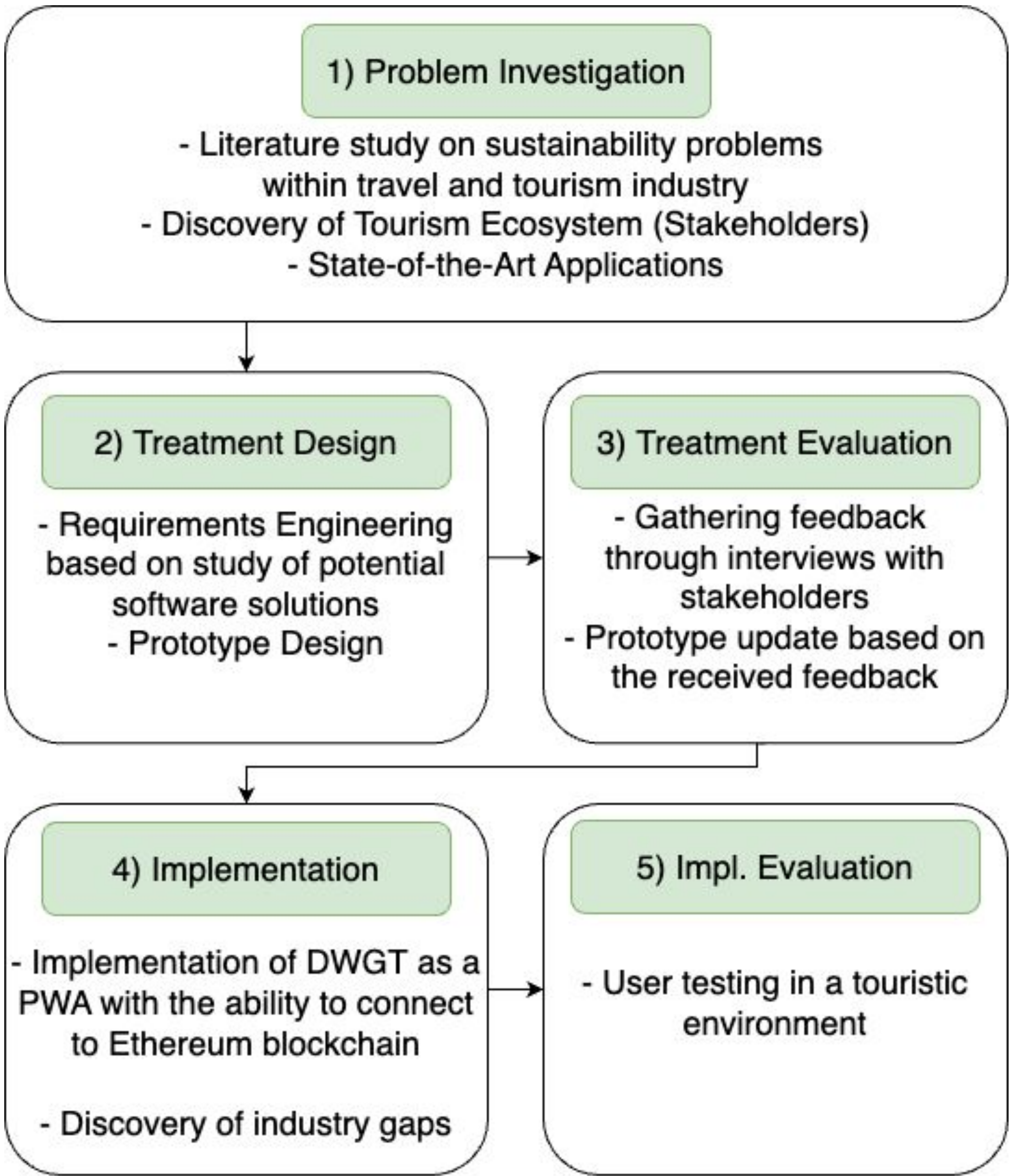
RQ1: What are the key requirements for a digital solution that promotes sustainability in the process of managing travel plans and during travel?

- What does literature study elicitate on sustainability issues within tourism industry?
- Who are tourism stakeholders related to sustainability and digital solutions?
- What are the expectations and requirements of these stakeholders for such a digital solution?

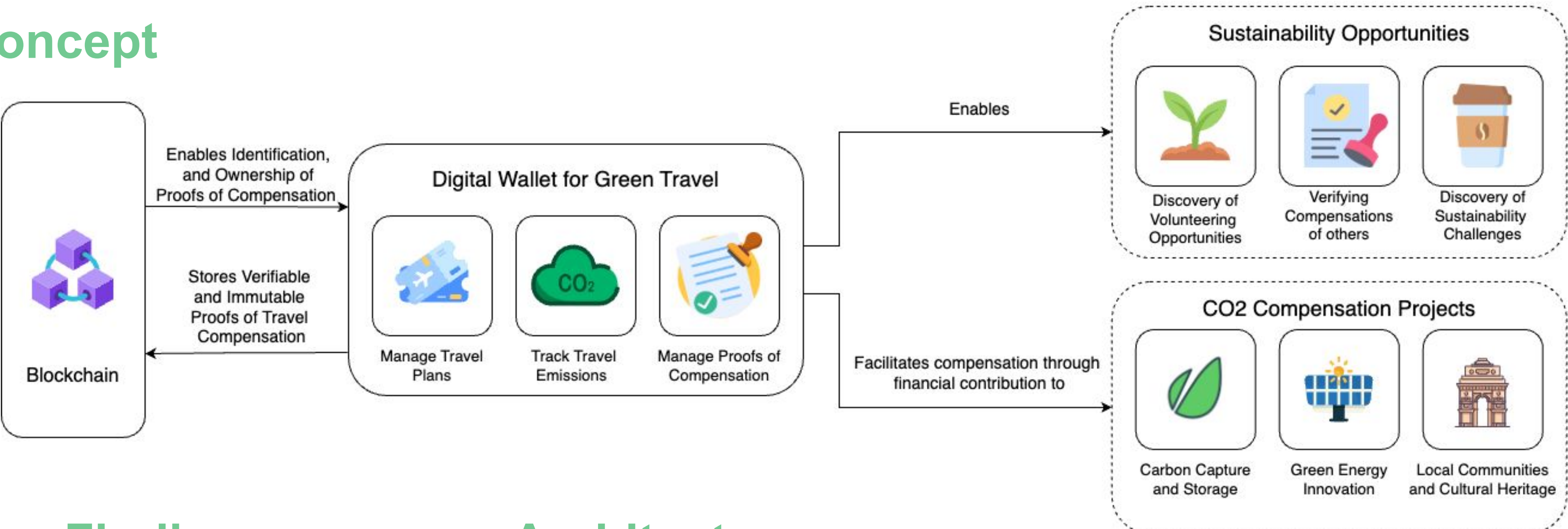
RQ2: How can a digital solution be designed and implemented to reduce the sustainability footprint of travel and potentially contribute to improved sustainability in the tourism industry?

- Which technologies are most suitable for developing a digital wallet to support this goal?

Methodology - Design Science approach



Concept



Key Findings

- Flight industry most detrimental to tourism sustainability
- Need for Global Sustainable Citizenship
- Compensation, not offsetting → More benefits
- Travel emission estimation should be done by travel (transport) companies

Architecture

