

Problem Statement

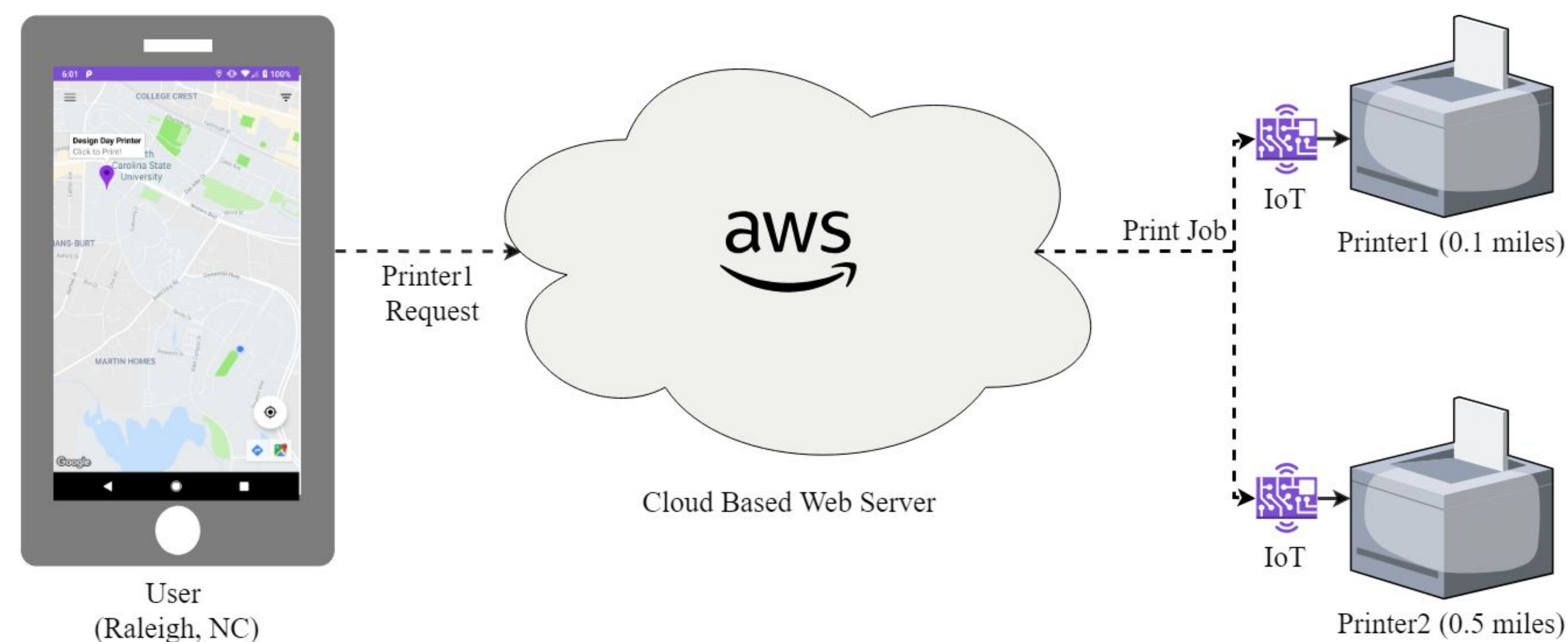
Develop a cloud-based service to connect printing customers to locally owned printers as an alternative to expensive and inconvenient print shops

Product Requirements

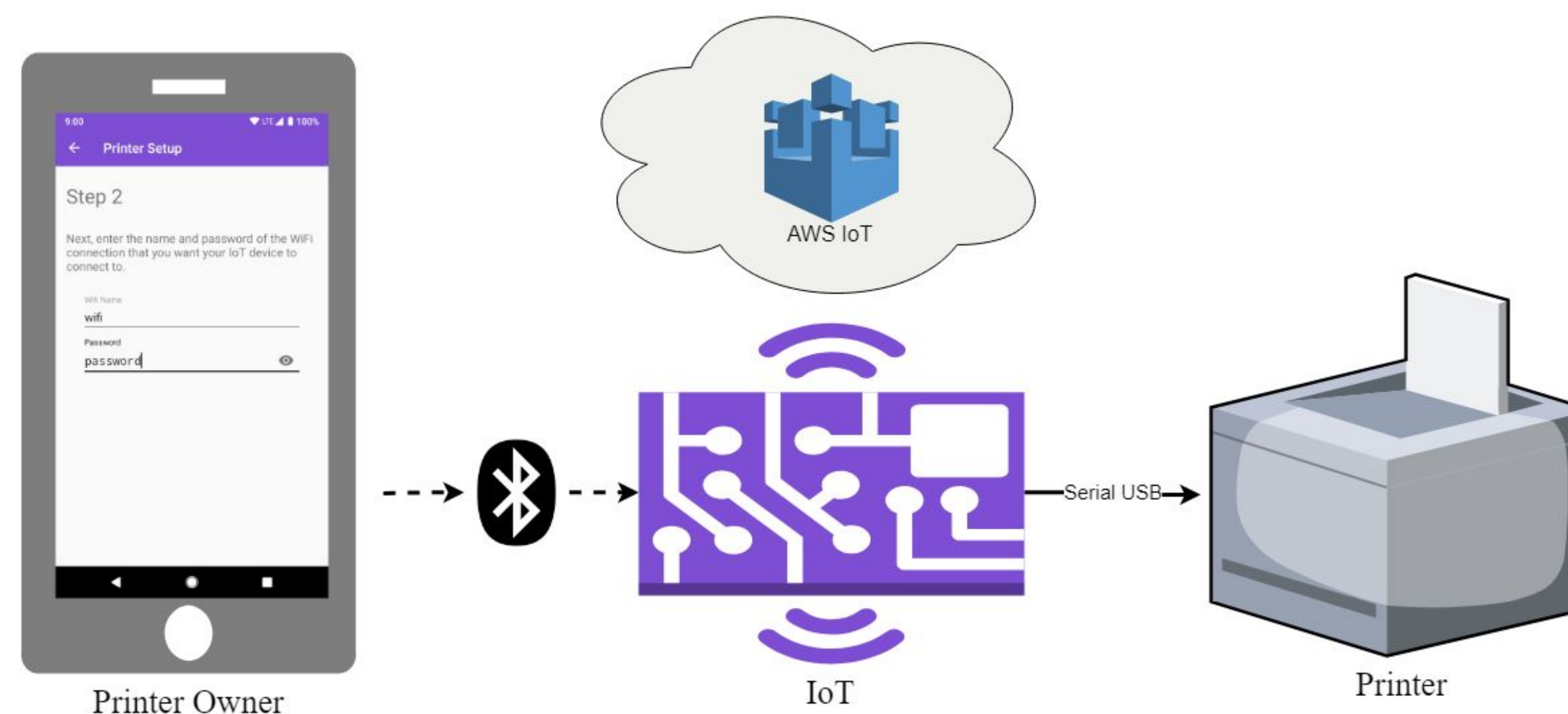
- Intuitive Android app
- Simple printer setup
- Inexpensive IoT device
- Cloud registered printers
- Printer status reports
- Client prints from anywhere
- Secure transactions

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Client Use Diagram



Printer Setup Process



Design Features

Mobile Application

Intuitive use
Display local (<5 mi) printers
Visually appealing UI
Manage printers

Server

Secure communication
Document handling
Transaction processing
User & IoT data storage
Quick data queries

Printer IoT Device

Automated registration
Bluetooth connected setup
Headless printing
Print job queuing
Error handling