Beta Presentation
Fundamenta
The Capstone Experience
Team Quicken Loans

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Project Overview

• Facilitates home building process
• Organizes participants involved in home build
• Displays workflow of home build
• Allows users to complete tasks
• Displays status of build
• Provides messaging capability between parties
• Manages workflow with blockchain technology
• Brings transparency to building process
System Architecture

Web App
- React JS
- .NET Core
- Service Layer
- Database Layer
- SQL Server
- SQL Database

Hyperledger
- Fabric
  - Blockchain
  - Chaincode
  - Blockchain State Storage
- Composer
  - Business Network
  - Transactions
  - REST Server
  - Runtime API

REST API

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Dashboard
Progress
Construction Deliverables
Image Upload
Manage Builds

[Diagram of a web interface showing three sections: "Your Home Builds," "New Home Builds," and "Contractors." Each section contains items with names and roles.]
Communication

![Image of communication interface](image-url)

Tamer Anderson: When will the countertops be installed?

Jonny Dowdall: We will finish by the end of the week.

Submit
Blockchain
What’s left to do?

• Clean up UI
• Bug fixes
• Email alerts (stretch goal)
Questions?