

MICHIGAN STATE

U N I V E R S I T Y

Beta Presentation Fundamenta

The Capstone Experience

Team Quicken Loans

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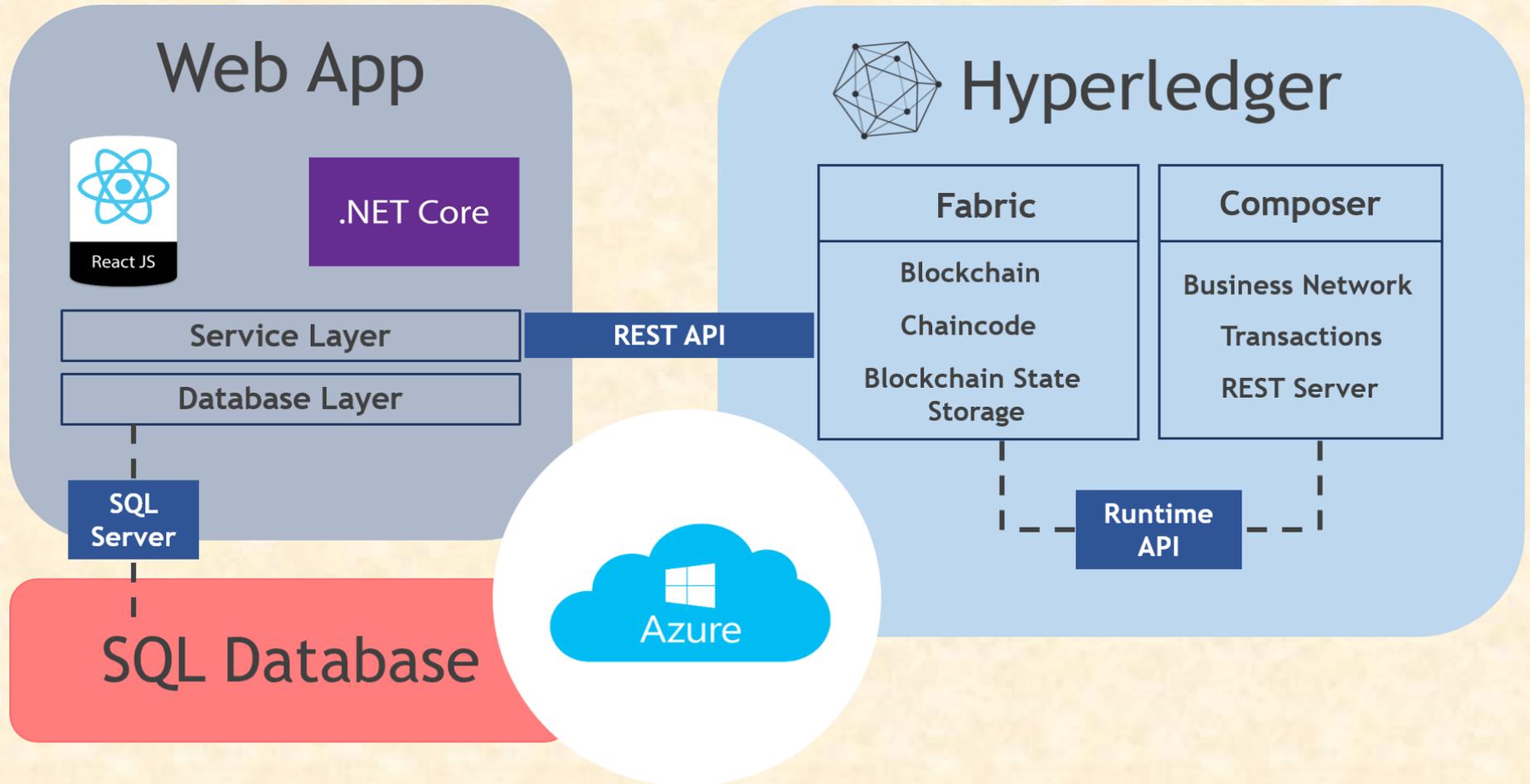
*From Students...
...to Professionals*

Project Overview

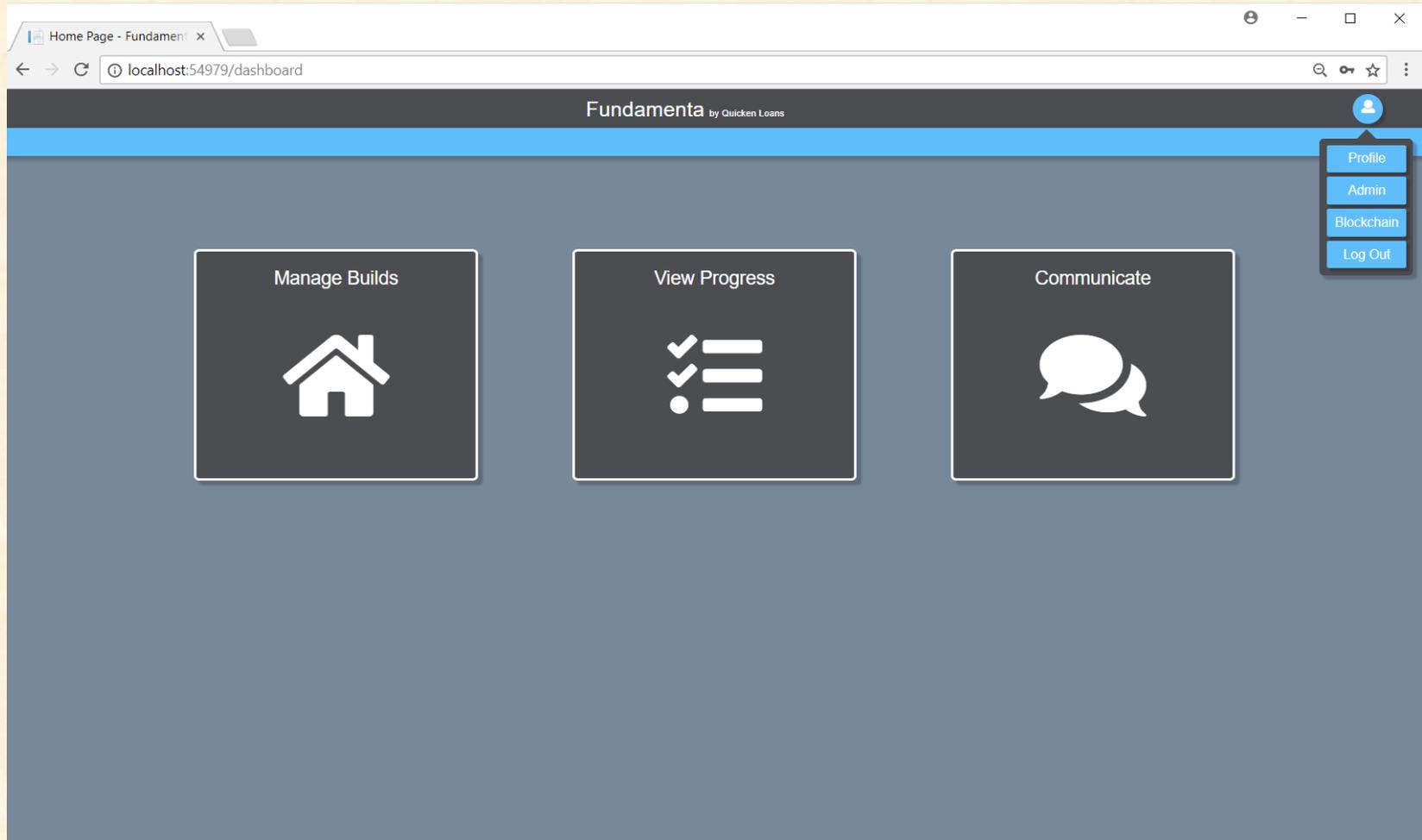
- Facilitates home building process
- Organizes participants involved in home build
- Displays workflow of home build
- Allows users to complete tasks
- Displays status of build
- Provides messaging capability between parties
- Manages workflow with blockchain technology
- Brings transparency to building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



System Architecture



Dashboard



Progress

The screenshot shows a web browser window with the URL `localhost:54979/dashboard`. The page title is "Fundamenta by Quicken Loans". A blue header bar displays "Selected Build: Madison's Build". A "Back" button is in the top left. The main content area shows "Current Stage: Execution" with a progress bar. Below this is a legend for task statuses: Complete (checked), Open for Completion (unchecked), In Progress (circle with line), and Incomplete (unchecked). A "Progress" section lists tasks with their completion status and initials:

Initials	Task Name	Status
HB	Submit Home Specs	Complete
B	Submit Build Plans	Complete
CI	Submit Permit	Complete
B	Order Exterior Supplies	Complete
B	Order Interior Supplies	In Progress
B	Assign Contractor Tasks	Complete
C	Complete Exterior Tasks	Open for Completion
C	Complete Interior Tasks	Open for Completion
B	Approve Exterior Tasks	Open for Completion
B	Approve Interior Tasks	Open for Completion



Construction Deliverables

The screenshot shows a web browser window displaying a dashboard for 'Fundamenta by Quicken Loans'. The browser's address bar shows 'localhost:54979/dashboard'. The dashboard header includes the company name and a user profile icon. Below the header, a blue bar indicates the 'Selected Build: Madison's Build'. A 'Back' button is visible on the left. The main content area shows the 'Current Stage: Execution' with a progress bar. A legend defines the status icons: a blue checkmark for 'Complete', a blue circle for 'In Progress', a white circle for 'Open for Completion', and a gray circle for 'Incomplete'. The 'Progress' section lists three completed items: 'HB Submit Home Specs', 'B Submit Build Plans', and 'CI Submit Permit'. The 'HB Submit Home Specs' item is expanded to show a table of specifications.

Home Page - Fundamenta x

localhost:54979/dashboard

Fundamenta by Quicken Loans

Selected Build: Madison's Build

Back

Current Stage: Execution

Complete In Progress Open for Completion Incomplete

Progress

HB Submit Home Specs

Completed by: Madison Kautman

Completed on: Mar 28, 2018

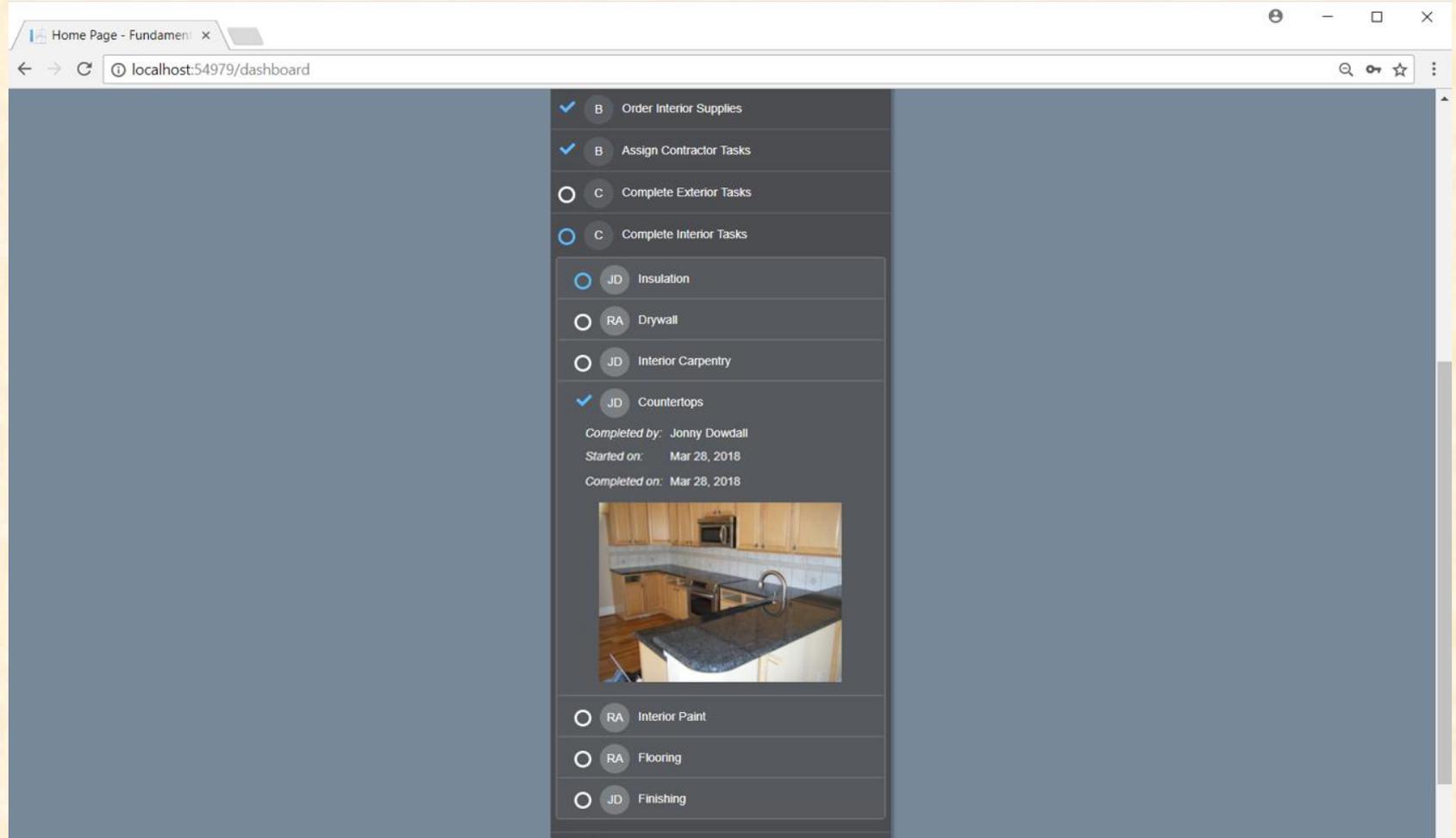
Model	Style A
Wall Paint	Mocha
Carpet Type	Plush
Carpet Color	Gray
Counter Type	Silestone
Counter Color	Gray
Shingle Color	Black
Siding	Vinyl - Gray

B Submit Build Plans

CI Submit Permit



Image Upload



Manage Builds

The screenshot displays a web browser window with the URL `localhost:54979/dashboard`. The page title is "Fundamenta by Quicken Loans". The dashboard features a dark blue header with a user profile icon. Below the header, there is a "Back" button and three main sections:

- Your Home Builds:** Contains two entries: "Madison's Build" (with roles RA and JD) and "Vishal's Build" (with role RA).
- New Home Builds:** Contains one entry: "Erin's Build".
- Contractors:** Lists two contractors: "Riley Annis" and "Jonny Dowdall", each with an "Assign build..." dropdown menu.



Communication

The screenshot shows a web browser window with the address bar displaying 'localhost:54979/dashboard'. The page title is 'Fundamenta by Quicken Loans'. A blue navigation bar at the top contains the text 'Selected Build: Madison's Build' and a user profile icon. On the left side, there is a 'Back' button. The main content area features a 'Conversation' window with a blue header. Inside the conversation, there are two messages: a blue message from 'Turner Anderson' asking 'When will the countertops be installed?' and a grey message from 'Jonny Dowdall' replying 'We will finish by the end of the week.' At the bottom of the conversation window, there is a text input field with the placeholder 'Type comment...' and a blue 'Submit' button.

Blockchain

The screenshot shows a web browser window with the URL `localhost:54979/dashboard`. The page title is "Fundamenta by Quicken Loans" and it indicates "Selected Build: Madison's Build". The main content area displays a "Blockchain" section with a sequence of six transactions:

#	TRANSACTION ID	Action
#1	7af0fd23ede585e...	HomeSpecsSubmitted
#2	c8c62668904c568...	AssignBuilder
#3	b5644bae476da52...	AssignContractor
#4	03d71396eb2351f...	AssignContractor
#5	7066fafc6e4e793...	BuildPlansSubmitted
#6	825e7ce7c82d264...	PermitSubmitted



What's left to do?

- Clean up UI
- Bug fixes
- Email alerts (stretch goal)



Questions?

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