

MICHIGAN STATE
UNIVERSITY

Beta Presentation

Model-Driven UI Framework

The Capstone Experience

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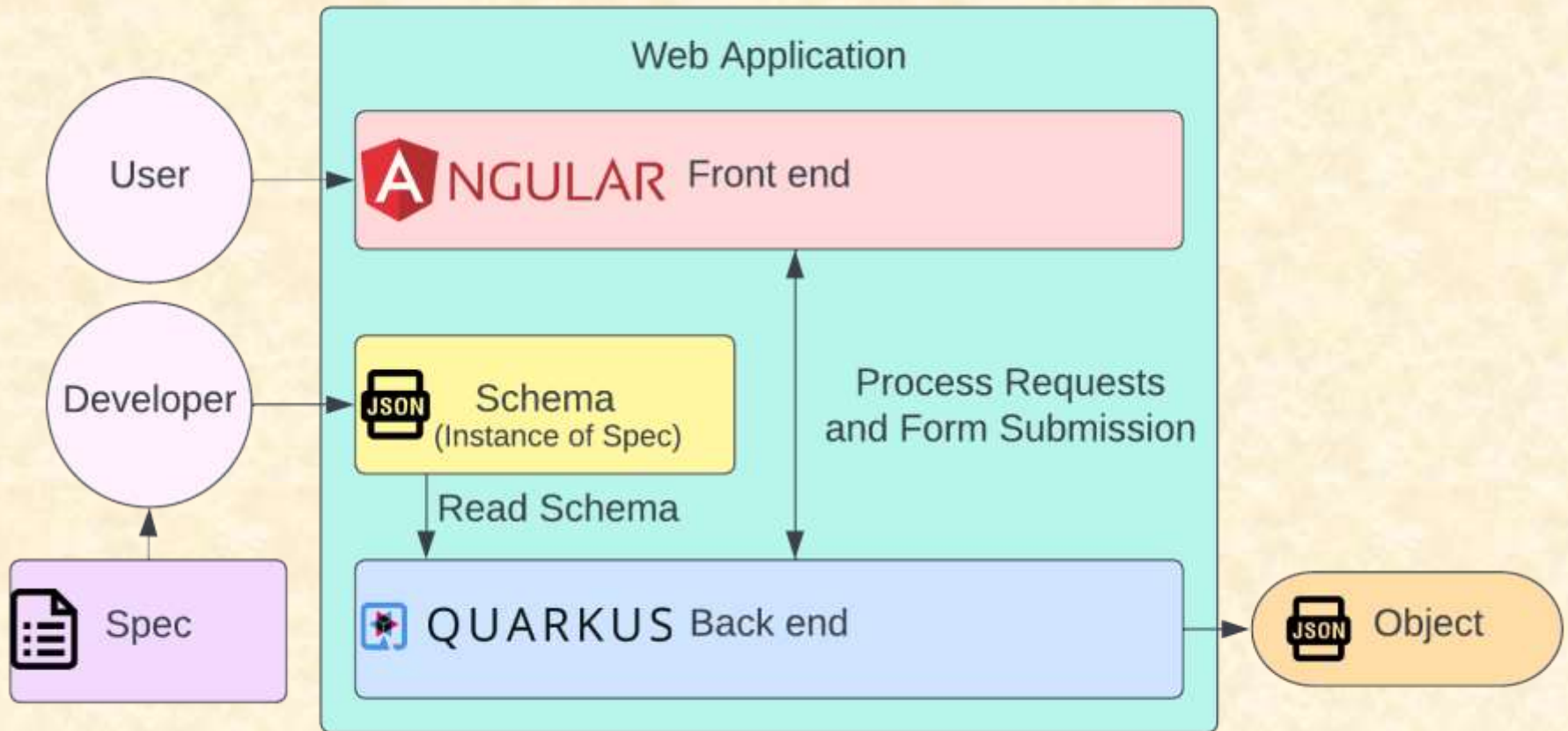
*From Students...
...to Professionals*

Project Overview

- Roosevelt Innovations provides its clients with end-to-end business operations software
- Spec – language-agnostic documentation for uniformly formatting application data
- Developers can use the Spec to streamline application development.
- Saves resources used to create webpages
- Allows Roosevelt Innovations to branch into different areas of the industry



System Architecture



Basic Form

The screenshot displays a web browser window with the URL `localhost:4200/basic-form`. The page features the Roosevelt logo with the tagline "simple. seamless. smart." and the text "Model-Driven UI Framework". A yellow button labeled "Choose New File" is positioned in the top right. The main content area contains a form with three tabs: "Personal Information" (active), "Health", and "Employment". The form includes a "Previous" button on the left and a "Next" button on the right. The instructions read "Please provide us with some personal information". The form fields are filled with the following data:

- Name: jonathan Klein
- Date of birth (MM/DD/YYYY): 04/22/1997
- Current address: 18788 Hamilton Rd Okemos, MI 48864
- Phone number: 517-597-3070
- Email address: jklein@gmail.com
- Preferred contact method: Email

At the bottom of the form, there are "Previous" and "Next" buttons.



Data Validation

The screenshot shows a web browser window displaying a form titled "Personal Information" under the "Roosevelt Model-Driven UI Framework". The form has three tabs: "Personal Information", "Health", and "Employment". The "Personal Information" tab is active. The form contains several input fields: "Name" (filled with "Jonathan Klein"), "Date of birth (MM/DD/YYYY)" (filled with "04/22/1997"), "Current address" (filled with "18788 Hamilton Rd Okemos, MI 48864"), "Phone number" (filled with "517-597-30700" and highlighted with a red border), and "Email address" (filled with "jklein@gmail.com"). There are "Previous" and "Next" buttons at the top and bottom of the form. A "Choose New File" button is visible in the top right corner of the page.

Roosevelt Model-Driven UI Framework
simple. seamless. smart.

Choose New File

Personal Information Health Employment

Previous Next

Please provide us with some personal information

Name:
Jonathan Klein

Date of birth (MM/DD/YYYY):
04/22/1997

Current address:
18788 Hamilton Rd Okemos, MI 48864

Phone number:
517-597-30700

Email address:
jklein@gmail.com

Preferred contact method:
 Phone
 Email

Previous Next



Conditional Branching (Disabled)

The screenshot shows a web browser window displaying a form titled "Model-Driven UI Framework" for Roosevelt. The form has three tabs: "Personal Information", "Health", and "Employment". The "Health" tab is active. The form contains the following fields and options:

- A "Previous" button at the top left and a "Next" button at the top right.
- A heading: "Please provide us with information about your health."
- A question: "What is your gender?" with radio button options: Male, Female, and Other.
- A question: "What is your height and weight?" with a text input field containing "5'11" 178lb".
- A question: "Do you have any chronic medical conditions such as diabetes, high blood pressure, or asthma?" with radio button options: Yes and No.
- A question: "Do you have any allergies?" with radio button options: Yes and No.
- A "Previous" button at the bottom left and a "Next" button at the bottom right.

The form is styled with a dark blue header and a white content area. The "Next" buttons are highlighted in blue.



Conditional Branching (Enabled)

The screenshot displays a web browser window with the URL `localhost:4200/health-form`. The page features the Roosevelt logo and the text "Model-Driven UI Framework" and "simple. seamless. smart." in the top left. A "Choose New File" button is in the top right. Below the header, there are three tabs: "Personal Information", "Health", and "Employment". The "Health" tab is selected, and the form contains the following elements:

- A "Previous" button on the left and a "Next" button on the right.
- The instruction: "Please provide us with information about your health."
- The question: "What is your gender?" with radio buttons for "Male" (selected), "Female", and "Other".
- The question: "What is your height and weight?" with a text input field containing "5'11\" 178lb".
- The question: "Do you have any chronic medical conditions such as diabetes, high blood pressure, or asthma?" with radio buttons for "Yes" and "No" (selected).
- The question: "Do you have any allergies?" with radio buttons for "Yes" (selected) and "No".
- The question: "Please specify:" with a text input field containing "Coconut and Latex".
- A "Previous" button on the left and a "Next" button on the right at the bottom of the form.



What's left to do?

- Features - complete
- Stretch Goals
 - Lazy Loading
 - Form Submission Page
 - Specify Required Fields and Prevent Premature Navigation
- Other Tasks
 - Review Spec Document
 - Review Project README Files



Questions?

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