

Developer Evaluation Project

Introduction

Imagine this hypothetical scenario: The North Coast Pizza's chain of restaurants is spread across the snowy wasteland of British Columbia, but is headquartered in the warm and temperate town of Abbotsford. Headquarters carefully manages all aspects of a store's inventory, down to the dog food used by the pizza delivery dogsled teams in the winter. To improve their weather-dependant purchasing, North Coast Pizza would like a web-based application that displays the current weather for the following cities super-imposed on a map of BC:

- Dease Lake
- Fort Nelson
- Terrace
- Prince George
- Whistler
- Revelstoke
- Creston

We propose to make a "mushup" by using weather data available from Environment Canada and a mapping service such as Google Maps.

Step 1

Develop a plan to create a proof of concept for this project.

- Does our proposed "mushup" seem feasible?
- Briefly describe the key pieces of functionality that we'd need in the final product
 - Example: "I need to be able to display arbitrary data on an embedded Google Map"
- Briefly describe the tools, technologies and platforms that you plan on using for your proof of concept.
- Would the tools, technologies and platforms that you would use for your proof of concept be appropriate to use in production? What limitations might they have?
- Briefly describe how you would evaluate each "key piece of functionality" above.
- Estimate how far you think you could get in your proof of concept in the allotted time.

Step 2

Implement a proof of concept. Follow your plan or change it as necessary. If you take shortcuts in your proof of concept, please include highlights of those shortcuts (by adding comments in the code when possible) and explain any changes that would need to be made to make the code production quality.

Step 3

Provide feedback on following:

1. What architecture and design changes would you make for the project to move from prototype to production?
2. How would you make the code more maintainable if the project were to move from prototype to production?