HAcK Presents..
REST Application Services

AJAY PANDIT
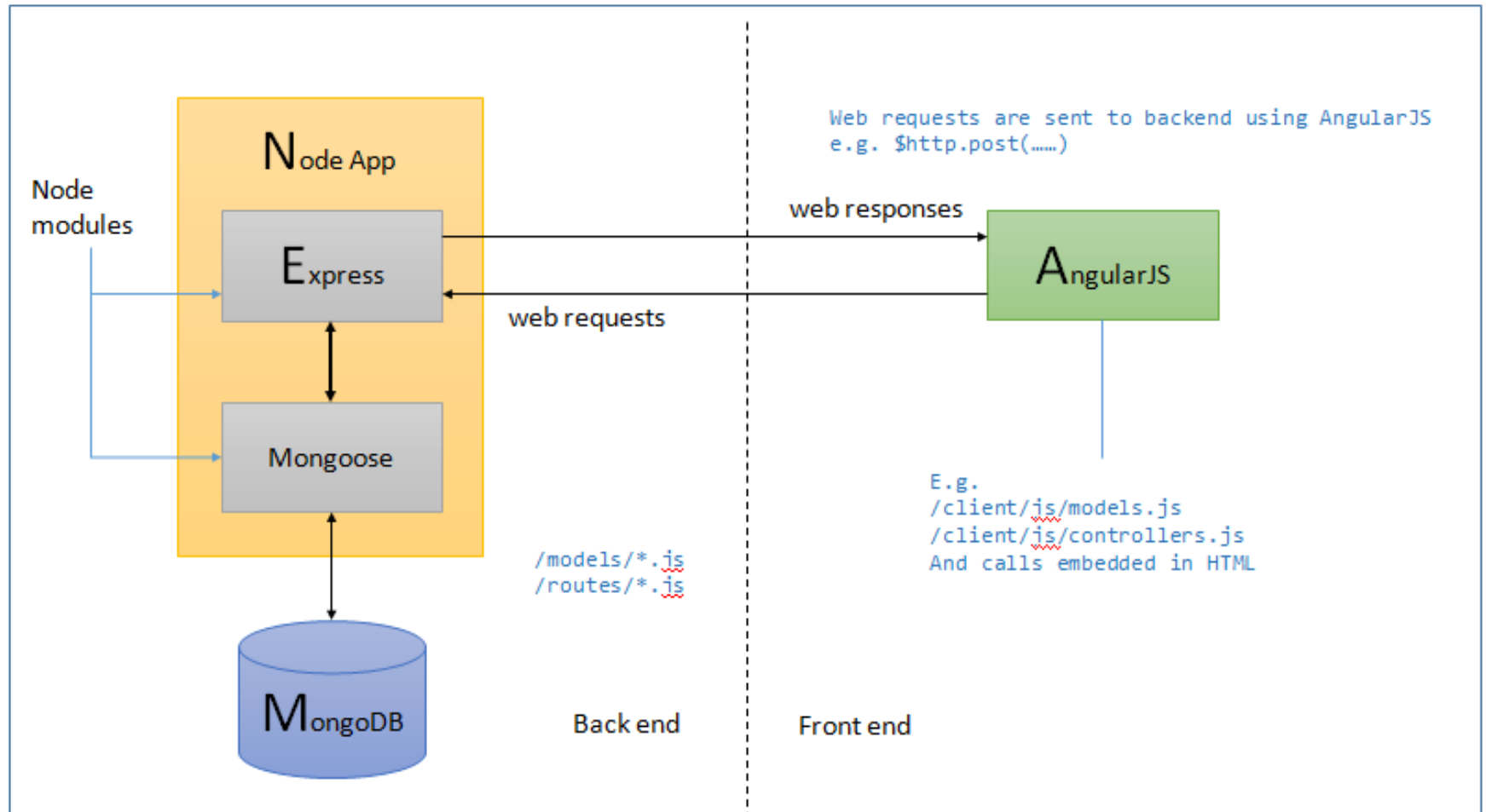
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Problem Statement

- Developers write applications that consumes web services and provides data from scratch.

- The process of fetching information from web services is more or less the same, only the path parameters, query terms and values change based on domain and scope.

- This process requires lots of coding plus it does not allow the usage of the same application for multiple users

Problem Solution

- Design and implement an application that allows developers to develop applications that consume web-services by just configuring the path and query parameters and to enable them to configure results, focusing on the usability.

- Publishing applications on Appstore from where users can download the application.

- Our aim was to help developers focus on "what requirements to include in the app" rather than "how to include requirements in the app".
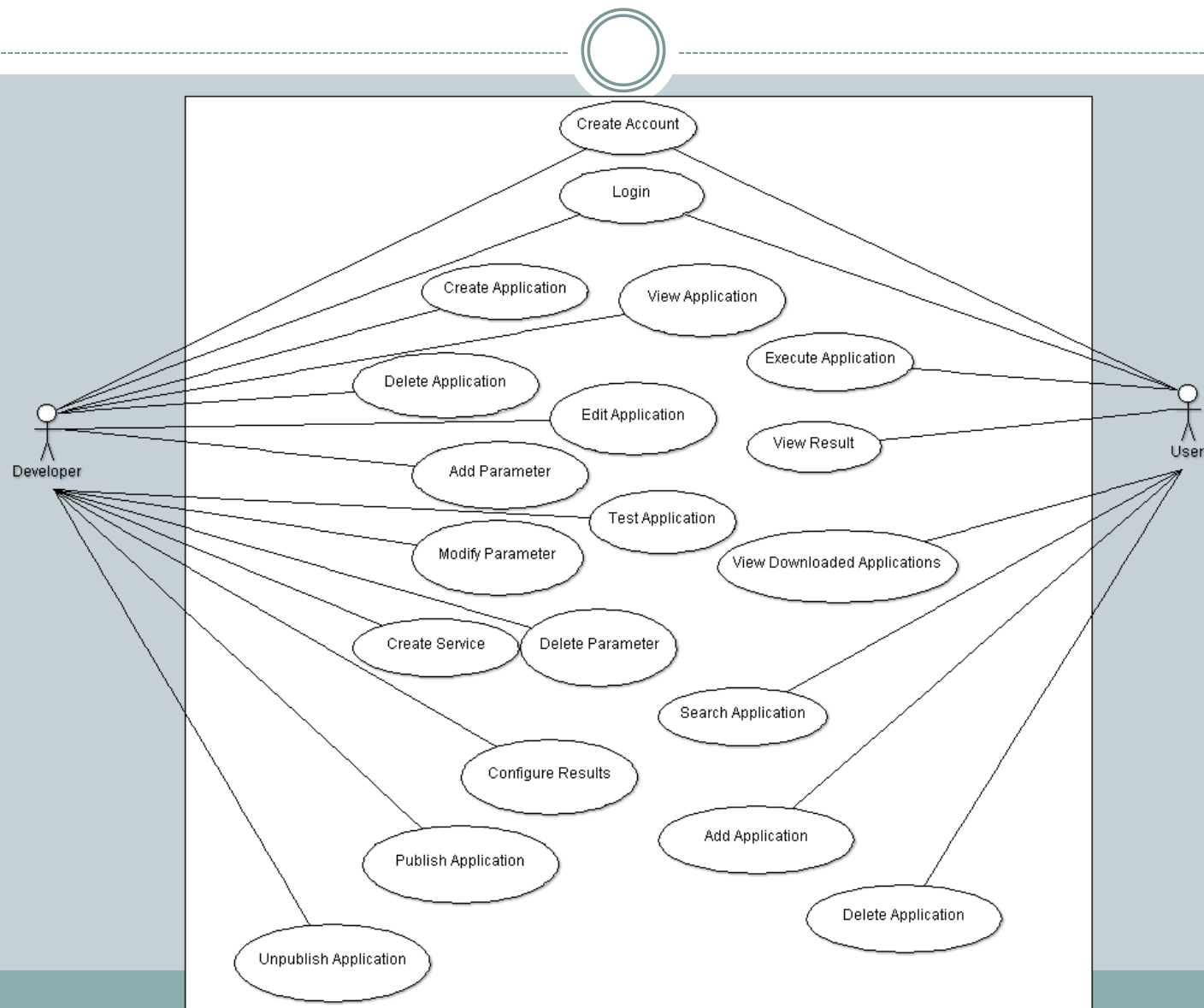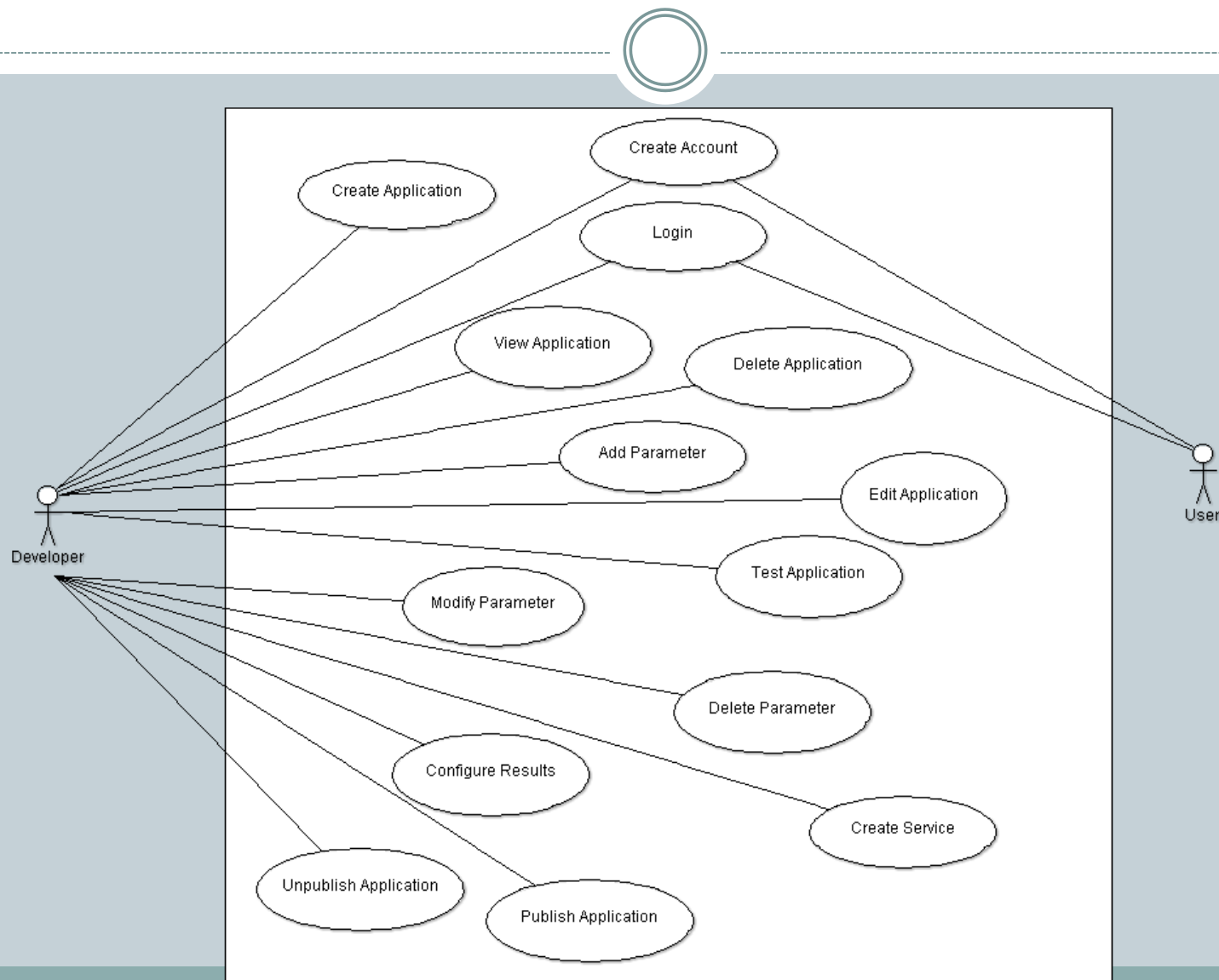
Architectural Diagram

API

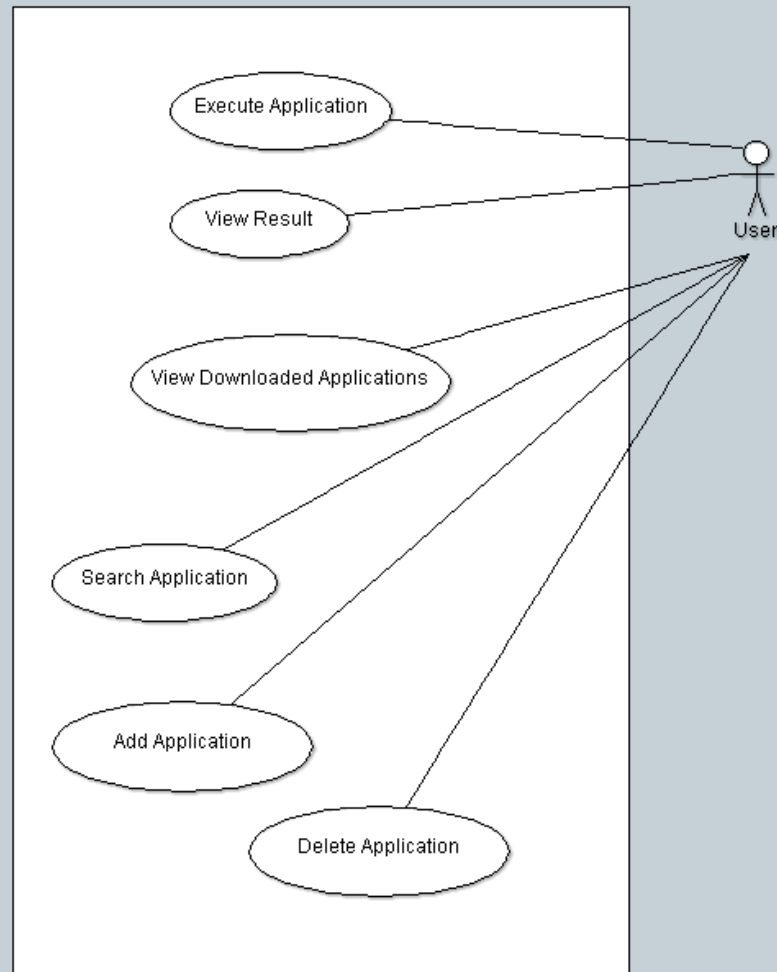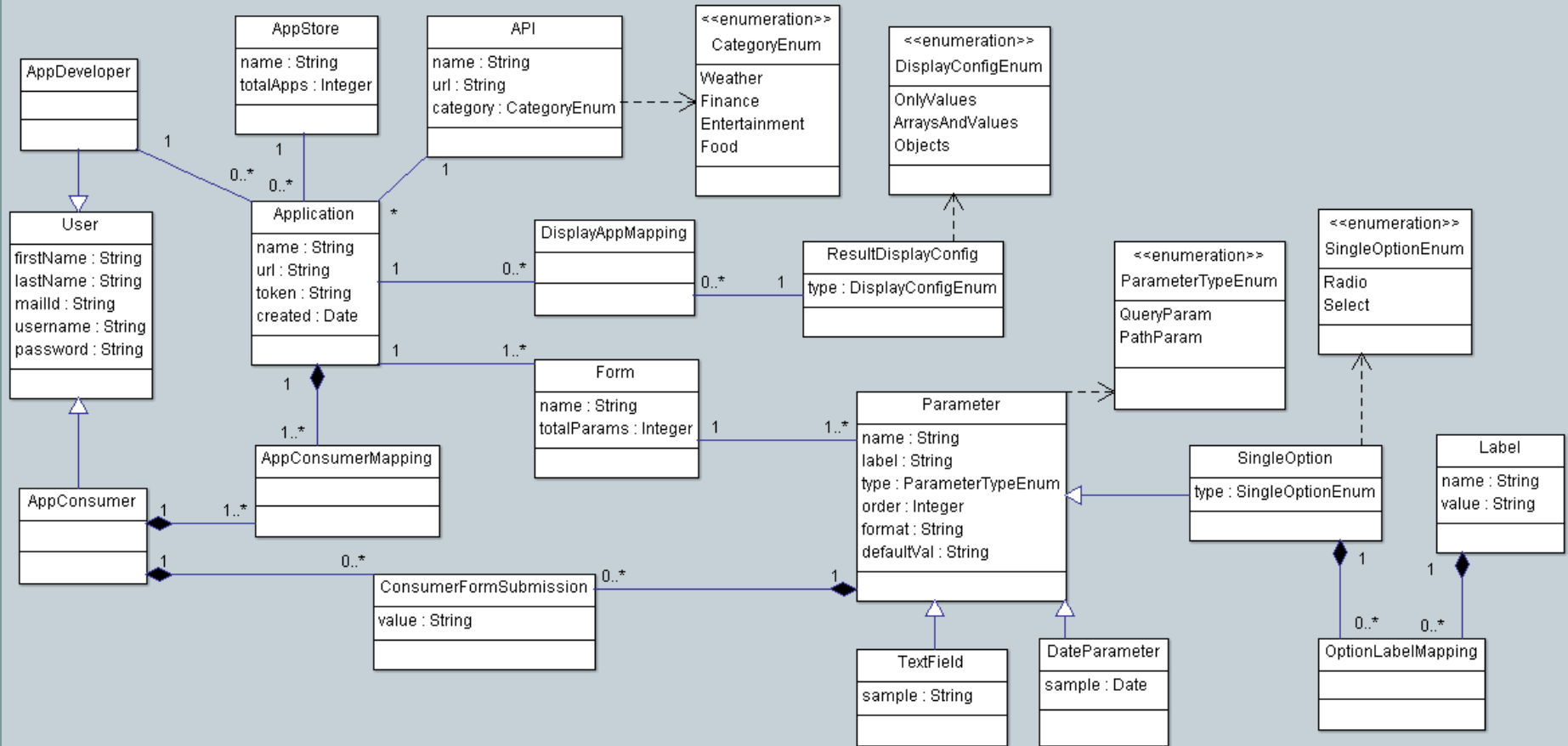| Category	API Description	Link
Movie	Rotten Tomato	api.rottentomatoes.com
Weather	World Weather Online	api.worldweatheronline.com
Food	YUMMLY API (Food)	api.yummly.com
Articles	NYTimes Article Search API	api.nytimes.com

Use Cases

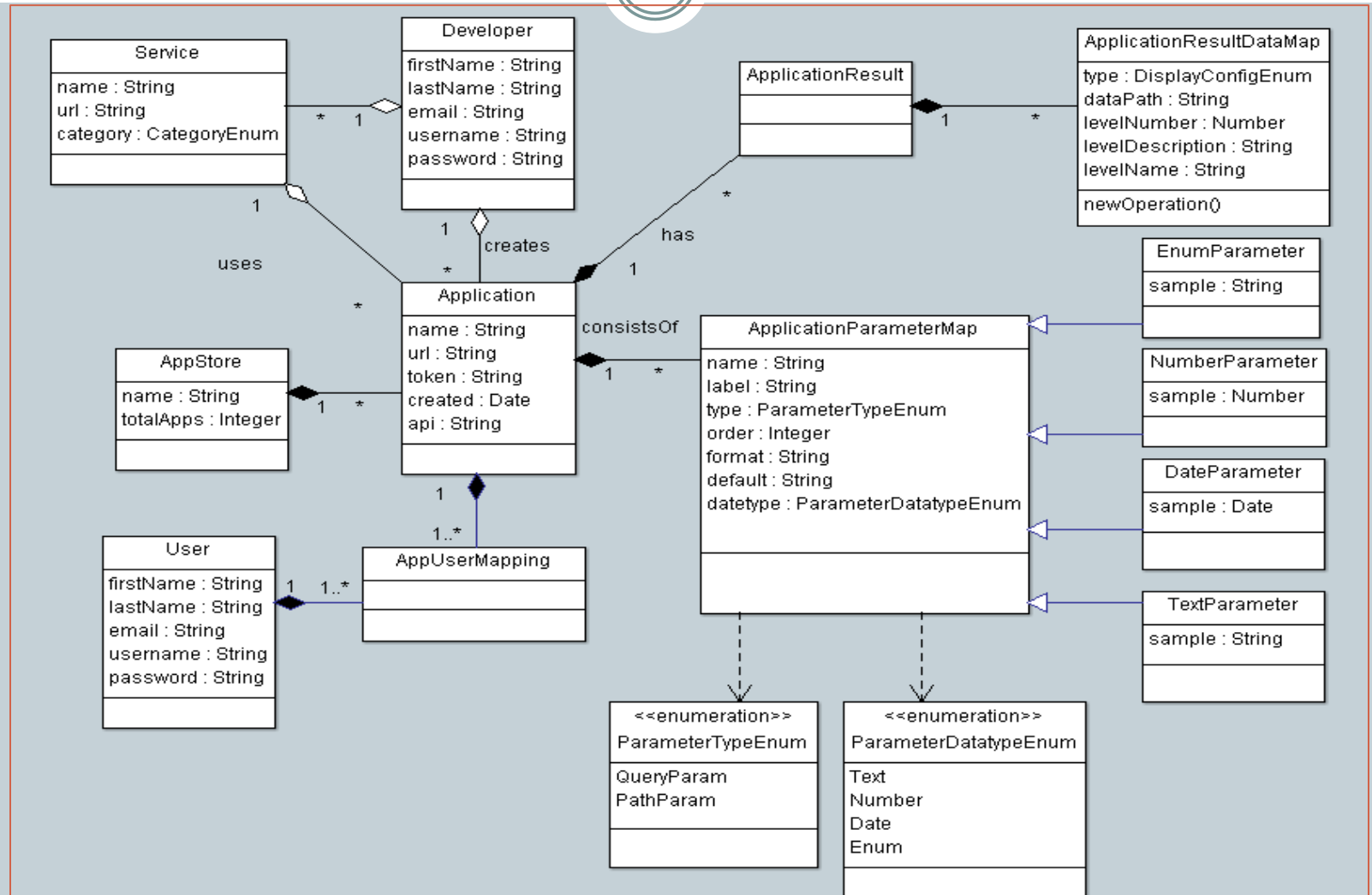# Use Cases [Split - 1]

Use Cases [Split - 2]

UML Diagram Proposed

Final UML Diagram

Difficulties Faced

- Developing on MEAN stack

- Structuring JSON

Future Enhancement

- Result Configuration Enhancements

- Client Side Validation

- Advanced search

- Ratings, reviews and error report for applications.

Open Shift Project Link

http://v2-restappv1.rhcloud.com/#/

Username : dbms Password: dbms

Demo

- Web Service URL:

  api.worldweatheronline.com

- Path Parameters:

  /free/v2/weather.ashx

- Query Parameters:

  q=London&format=json&num_of_days=5&key=%2073cffeae313423bf618a6dce02b1d

THANK YOU

Thank you Prof. Jose Annunziato.

We appreciate your time for guiding us throughout the project.