**Analysis of REST url’s**

Almost all web applications today use RESTful web services to expose API’s. REST url’s are constructed from constant url tokens and variable url tokens. The aim of this project is to develop an algorithm which will receive a REST url, analyze it and return a result which will define what are the constant parts of the url and what are the variables and additionally the variable type (such as string, int etc...) and its limitations such as min/max length.

**Phases**

1. Build a dataset for research which will include a list of REST API’s that can be analyzed
2. Build an algorithm for querying the API and analyzing the responses
3. Build an algorithm which based on the responses will classify the URL tokens as constant/variable and the variable rules as described above.
4. Test the algorithm

**Deliverables**

1. All data collected from the research
2. Code for the algorithm developed
3. Report stating:
   a. Summary of each step in the research
   b. The selected strategy and statistics supporting the decisions you took for the algorithm
4. Test results
5. A final recommendation on the feasibility and usefulness of this technique.

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