

CS 361: Sprint 1 Assignment SRS

1. Life Generator
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3. Purpose:

This document details the software requirements specification for the life generator software. As this is the initial SRS, this document will summarize, via functional and non-functional requirements, the development teams' interpretation of initial software description provided via customer.

4. Scope:

User provides a name to the API which will crawl a given database or website such as craigslist in order to best predict aspects of the user submitted information such as their property or occupation.
5. Functional Requirements:
 - a. As a database owner, I want all relevant data summarized in organized tables so that the data can be easily parsed.
 - b. As a developer, I want a null value to be returned if no data can be gathered from the submitted information and so that I can determine if the API is functioning correctly.
 - c. As a user, I want to specify locations given my submitted information so that I can narrow the scope of my results to regions.
 - d. As a marketing rep, I want my results returned in reasonable amount of time so that I can justify the product as time saving.
 - e. As a sales/marketing member, I want to want a couple items to be returned so that I get at least one product I can highlight via specific advertisements.
6. Non-Functional Requirements:
 - a. Interoperability:
 - i. When the results are returned from the API, they should be returned in JSON format.
 1. JSON is an open standard file format that allows data to be easily parsed regardless of different hardware/software.
 - b. Promptness:
 - i. Results must be returned in less than 30 seconds
 1. User must be able to save time from API vs. using historical data or intuition
 - c. Reliability:
 - i. Software must have an overall efficiently (correct guess of user owning a given item) of at least > 25%.
 1. Given general information about an individual, regional salespeople could use historical data to predict future sales