**Software Requirements Specification (SRS)**  
  
PATTERN & PREDICTION

Numerology Calculator Java Desktop Application  
  
  
1. Introduction

1.1 Purpose  
The reason of this record is to specify the necessities and functionality of the Numerology Calculator Java desktop software.  
  
1.2 Scope  
The Numerology Calculator Java laptop software is designed to calculate numerological values based totally on user input for call and birthdate. It gives customers with Mulaank, Bhagyank, Ruling Planet, and Name Ultimate Sum calculations.  
  
2. Functional Requirements

2.1 User Interface  
The software provides GUI for user to make it user friendly  
GUI shall include input fields for the name and birthdate.  
The GUI shall convert the name and birthdate in numerological values .  
GUI shall include a "Submit" button to provoke the calculation manner.  
  
2.2 Numerology Calculation  
Upon clicking the "Submit" button, the application shall validate the enter fields.  
The application shall parse the person's birthdate input in the layout "dd/mm/yyyy".  
Numerological calculations for Mulaank, Bhagyank, Ruling Planet, and Name Ultimate Sum will be done primarily based on the supplied inputs.  
The calculated effects will be exhibited to the consumer inside the GUI.  
  
2.3 Error Handling  
The software shall handle invalid enter gracefully and provide suitable errors messages.  
If the person provides an invalid birthdate layout or non-numeric characters, an error message shall be displayed.  
If the person leaves any enter discipline clean, an errors message shall set off the person to provide the desired statistics.  
  
3. Non-Functional Requirements  
  
3.1 Performance  
The utility shall reply to user inputs directly.  
Numerological calculations will be done efficiently, with minimum processing time.  
  
3.2 Usability  
The GUI shall be intuitive and smooth to navigate.  
Error messages will be clean and informative, assisting users in resolving problems.  
  
3.3 Portability  
The utility shall be compatible with more than one working structures, including Windows, macOS, and Linux.  
The utility shall not have any dependencies aside from the Java Runtime Environment (JRE).

4. System Constraints

4.1 Technology Stack

The application shall be advanced using Java programming language.  
Java Swing will be used for GUI development.  
  
4.2 Resource Requirements  
The software shall require a Java Runtime Environment (JRE) version eight or better to execute.