

# Design Document

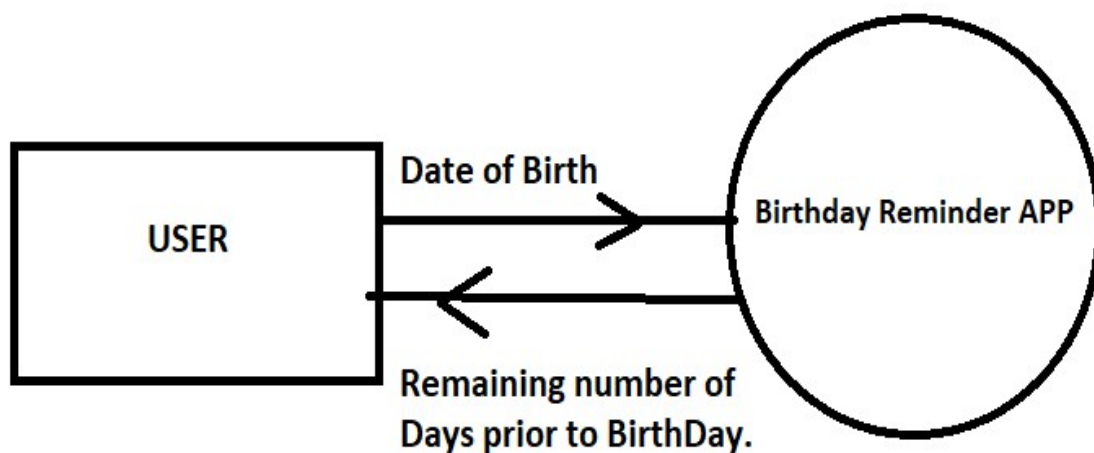
## Goal of the Project: -

The Goal of this app is to notify the user with some information regarding their upcoming Birthday i.e. Number of days or weeks or months etc. remaining in the current year prior to their upcoming Birthday.

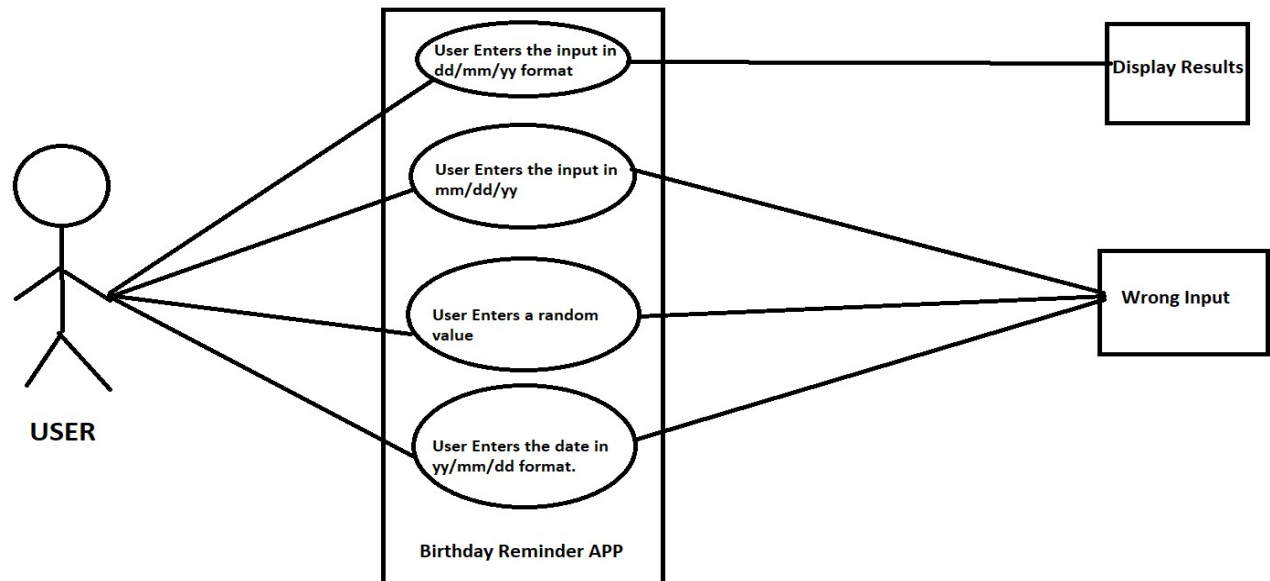
## Objectives: -

- >Get Input from the User in the Specified Format.
- >Find out the Remaining number of Days, Weeks, Months etc in the Current Year prior to the Birthday.
- >Alert the user about their Upcoming Birthday
- >Prompt a message to the User if their Birthday is already passed.

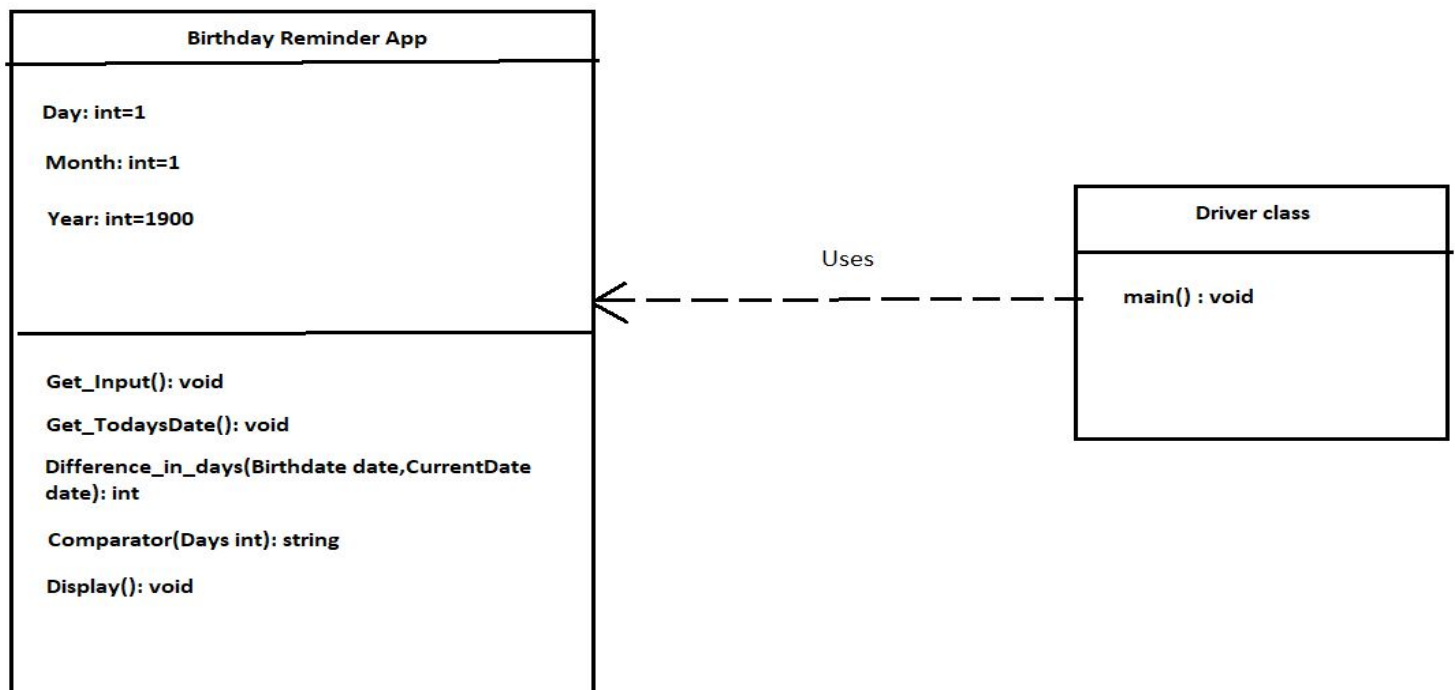
## High Level Design: -



## Use Case Diagram: -



## Class Diagram: -



## **Software Requirements Specification: -**

### **1.Functional Requirements: -**

->**Get\_Input()**:-Gets the date of birth as Input from the User

->**Get\_TodaysDate()**:-Gets the Current date from the system

->**Difference\_In\_Days(Birthdate,CurrentDate)**:-Returns the difference between the Todays date and birth date in the Current year in terms of days.

->**Comparator (Days)**: -A function that accepts the number of days and returns a String which describes the Number of Days in terms of Days, Weeks, or Months.

->**Display ()**: - A Simple display function that is supposed to display the number of days or weeks or months remaining prior to the Users Birthday in the Present Year.

->**main ()**: -It is the driver function that is responsible for performing all the operations.

### **2.Non-Functional Requirements: -**

->**Performance**: - The System has to be designed in such a manner that it Accomplishes the objectives efficiently and delivers the Results to the user in time.

->**Availability**: - The System is available to all the users in a standalone environment.

->**Capacity**: - The System supports one user at a time

-> **Environmental Requirement**: - The system works on all machines installed with Python 3.7 or above.