BROWSER AUTOMATION FLIGHT BOOKING SYSTEM USING RPA

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Agenda

Abstract

Objective

Introduction

Literature survey

Architecture Design

Module Split-up

Conclusion

Abstract

The aim of our project is to design and develop a software which would automate the major airline operations like providing the facilities for the reservation of online air tickets or any other operations through an effective and yet simple GUI for a normal passenger intending to travel throughairways.

Objective & Outcome

Objective:

Our project is to design and develop a software which would automate the major airline operations to booking tickets.

Outcome:

Passengers easily book the tickets within a short period of time

Introduction

- ✓ **Airline reservation systems** (**ARS**) are part of the socalled passenger service systems (PSS), which are applications supporting the direct contact with the passenger.
- ✓ ARS eventually evolved into the computer reservations system (CRS). A computer reservation system is used for the reservations of a particular airline and interfaces with a global distribution system (GDS) which supports travel agencies and other distribution channels in making reservations for most major airlines in a single system.

- ✓ In the airline industry, available seats are commonly referred to as inventory. The inventory of an airline is generally classified into service classes One of the core functions of inventory management is inventory control. Inventory control steers how many seats are available in the different booking classes, by opening and closing individual booking classes for sale.
- ✓ Yield management system to support a permanent optimization of the offered booking classes in response to changes in demand or pricing strategies of a competitor.

Existing system

*The existing system of booking online flight tickets mostly are on webpages and apps.so which takes lot of time & human interaction to do this, to reduce this process we are using robotic process automation It involves lot of manual paper works and the customer needs to stay on queue for a long time To root out such drawbacks of airline agencies, the whole system of management requires to be automated using computer and internet technology

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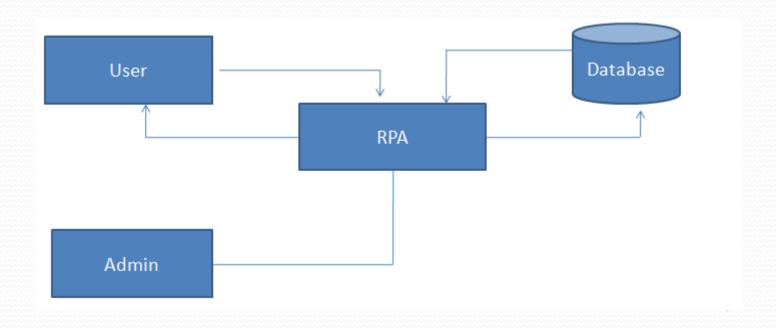
Proposed System

An attempt to overcome the drawbacks of the existing system, the whole system of the airline management using robotic process automation

Literature

TITLE	PUBLICATION YEAR	PUBLISHER	DESCRIPTION
American Airlines	2014	C.R. Smith Museum.	The airline reservation system is leading Economy. There are limited technologies are used in this sector.
Developing a Creative airline reservation System Based on Software Reuse and Abstraction Techniques	2017	IEEE	The main objective of this project is to create a fast, effective and reliable.

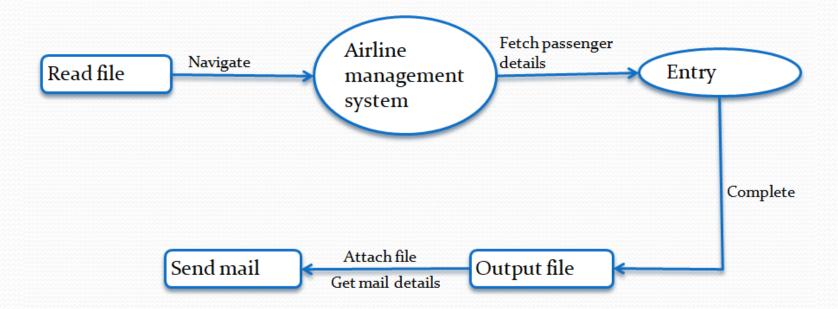
ARCHITECTURE DIAGRAM



DATAFLOW DIAGRAM LEVEL 0



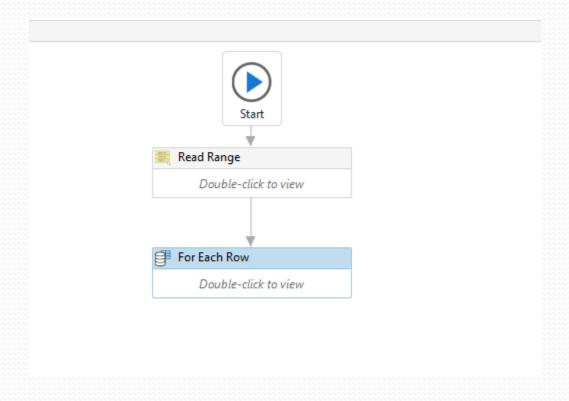
DATAFLOW DIAGRAM LEVEL 1



Module Split-up

- a) **MODULE 1**: Getting input from user
- b) MODULE 2: Providing a efficient flight booking website.
- c) MODULE 3: Assigning fetched data into the website.
- d) **MODULE 4:** Automating the booking process for several passengers.

FLOW CHART

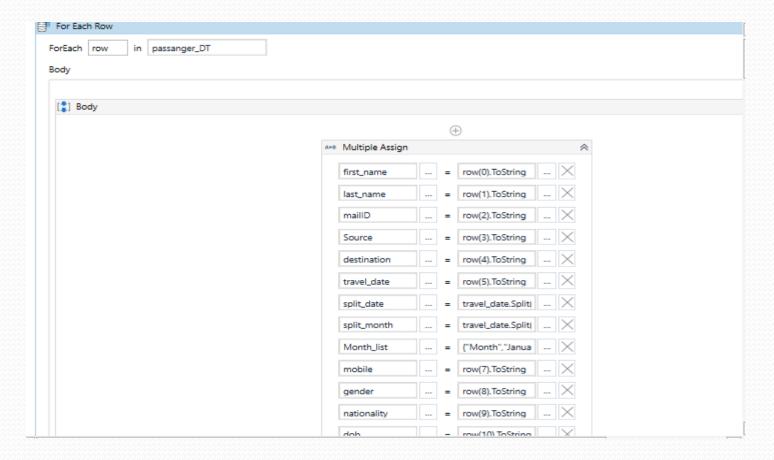


READ DATA:

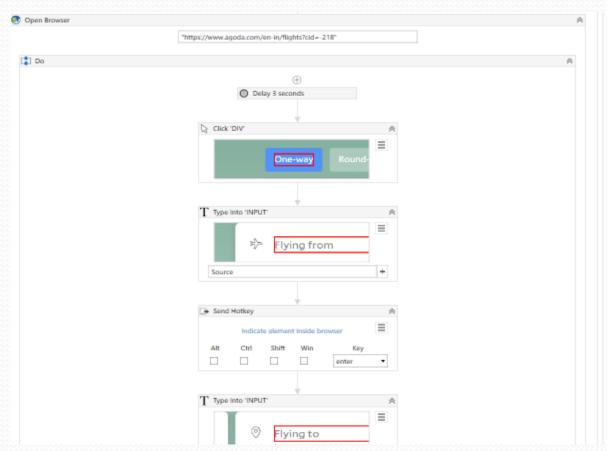


	А	В	С	D	E	F	G	Н	- 1	J	K
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5											

WRITE DATA:



DATA FETCHING:



Drawbacks:

Drawbacks of existing methods

Loading time takes long

Signing up is not easy

Once input is given it could not be modified at run time.

Conclusion

- This project entitled **automation flight ticket easy booking**, developed using Front-end and backend frameworks of **RPA**.
- it's an attempt to book the flight ticketsQuickly.
 - -The project can be easily scalable and secured;
 - -This project reduces the human intervention.

Reference:
www.uipath.forum.com
www.uipath.excelautomation.forum.com
https://www.edureka.co/blog/uipath-automation-examples
www.uipath.webautomation.forum.com

Thank You!!!