

# Travel Agency Multiple Authentication System

## Overview:

The project involved developing a solution using PowerApps, Power Automate and SharePoint list for a Travel agency to approve the multiple status for the security purpose. The client uses the solution to ease the process of managing the system. This project helped the client to avoid redundancy and pursue easy managing.

## Client details:

**Name:** Confidential | **Industry:** Travel-Agency

## Technologies:

**Office365, PowerApps (Canvas Apps), PowerFX, PowerAutomate (For multilevel approvals, CRUD operations in O365), CDS, Custom Connectors**

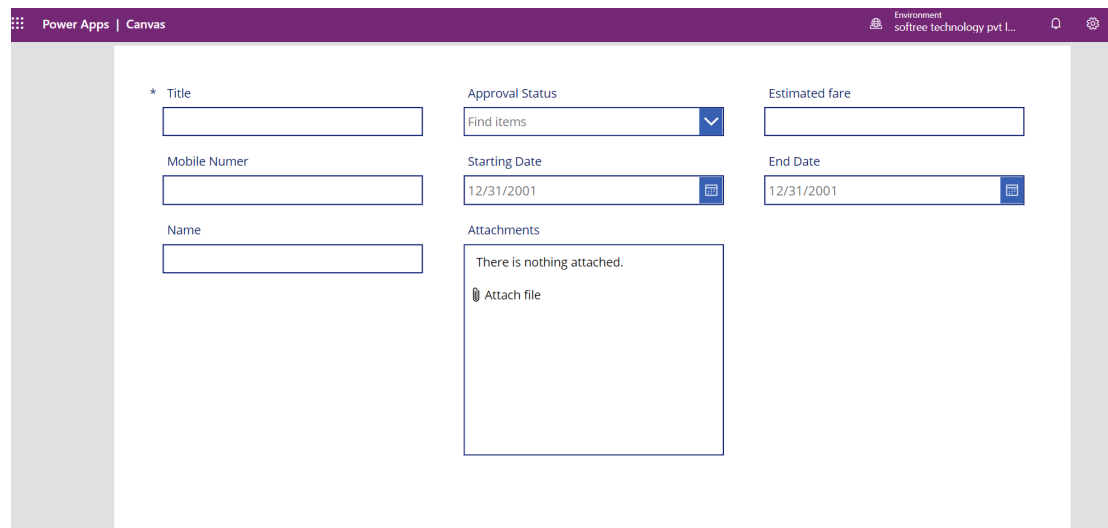
## Project Description:

Generally, the client wants to manage his travel agency approval process under a closed circumstances application with user-friendly functionality. So that every detail of the client and travel destination can be managed easily. For the security reason, only respective authenticated people can approve the process with some in-built conditions.

The project was successful and some of the salient features are as follows:

## User Input Screen:

This is the primary input screen for the user where the user can fill the details of the data as per the User Interface concern. All the user input data will be saved in SharePoint list as a back-end data source.



The screenshot shows a Power Apps Canvas form with the following fields and controls:

- Title:** A text input field with an asterisk indicating it is required.
- Mobile Number:** A text input field.
- Name:** A text input field.
- Approval Status:** A dropdown menu with "Find items" selected.
- Starting Date:** A date picker field showing "12/31/2001".
- End Date:** A date picker field showing "12/31/2001".
- Estimated fare:** A text input field.
- Attachments:** A section with the text "There is nothing attached." and an "Attach file" button.

## SharePoint List Screen:

After the data is submitted successfully, user details will be stored in this list, where the Estimated column plays a vital role for the business logic. If it is greater than or equal to \$500, then it will go to the Manager approval process.

## Travel Request ☆

| Title          | Approval Status | Estimated fare | Mobile Numer | Starting Date | End Date  | Name       |
|----------------|-----------------|----------------|--------------|---------------|-----------|------------|
| Trip to Ladakh | New             | \$400.00       | 7984555858   | 3/29/2022     | 3/30/2022 | xyz        |
| trip to konark |                 | \$600.00       | 456468686    | 3/15/2022     | 3/30/2022 | 57\5\57    |
| Trip to Manali | Rejected        | \$800.00       | 7893556455   | 3/23/2022     | 4/1/2022  | iuytregtyu |

## Approval Process(Automation Process):

This process enables automation approval process as per the conditions applied. Here we used Microsoft Flow for achieve the requirement. This flow will triggered when a new item is created in the list and it will under go the condition "If estimated fare is greater than or equal to 500". If conditions matches then an approval mail will send to manager if manager approves the request then item list will automatic updated.

The screenshot shows the Microsoft Flow interface for a 'Travel Request' list. The flow starts with a trigger 'When an item is created' (0s). This is followed by a 'Condition' step (6m) with the expression result set to 'true'. Below the condition, there are two paths: 'If yes' (green) and 'If no' (red).

### If condition is yes:

The screenshot shows the 'If yes' branch of the Microsoft Flow. The flow includes an 'Update item' step, followed by 'Start and wait for an approval', and then 'Condition 2' where 'Outcome x' is compared to 'Approved'. Below this, there are two paths: 'If yes' leading to 'Update item 2' and 'If no' leading to 'Update item 3'.

If condition is no:

✕ If no

S Update item 4 ? ...

|                       |   |
|-----------------------|---|
| * Site Address        | <input type="text" value="TestTopLevel - https://softreotech11.sharepoint.com/sites/TestTopLevel"/> <span style="float: right; font-size: 20px; color: #757575;">▼</span> |
| * List Name           | <input type="text" value="Travel Request"/> <span style="float: right; font-size: 20px; color: #757575;">▼</span>   |
| * Id                  | <input type="text" value="ID"/> <span style="float: right; font-size: 20px; color: #757575;">×</span>   |
| * Title               | <input type="text" value="Title"/> <span style="float: right; font-size: 20px; color: #757575;">×</span>  |
| Approval Status Value | <input type="text" value="Approved"/> <span style="float: right; font-size: 20px; color: #757575;">▼</span>   |
| Estimated fare        | <input type="text"/>  |

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This project is successfully completed by using the above mentioned technology, process and it is maintaining the requirement of the client.