[**Manifest TV series**](https://en.wikipedia.org/wiki/Manifest_(TV_series)) **events tracker (list of passengers’ callings)**

# Vision

“Manifest” is a web application, which allows users to record information about callings (events) that happened with passengers of 828 air flights and keep the passengers’ list.

The application should provide:

* Storing events, and passengers in a database
* Display a list of events
* Updating the list of events (adding, editing, removing)
* Display a list of passengers
* Updating the list of passengers (adding, editing, removing)
* Filtering by date of event and passenger.

# 1. Events

## 1.1 Display list of events

The feature is designed to view the list of events.

***Main scenario:***

* User selects item “Events”
* Application displays list of events.

Diagram

Description automatically generated

Pic. 1.1 View the Events list

The list displays the following columns:

* ID – event unique identifier
* Date – date of event
* Passenger – full name of the passenger who reported the event
* Geo-location – latitude and longitude where event happened
* Description – short description of the calling/event
* Status – status of the event
* Other passengers – other passengers’ IDs who are connected to the event (comma separated).

***Filtering by date:***

* the user can set a date filter (from / to) and presses the refresh button
* the application will display an updated list of events (between the selected dates).

Restrictions:

* Once loaded, the application will show all events in the database
* Start date of the period should be less then end date of the period
* If start date is blank, then filtering by end date only
* If end date is blank, then filtering by start date only
* Updating data after selecting the filtering conditions is carried out by pressing the “Refresh” button.

**1.2 Add Event**

***Main scenario:***

* User clicks the “Add” button in the event list screen
* Application displays form to enter event data
* User enters data and presses the “Save” button
* If any data is entered incorrectly, incorrect data messages are displayed
* If entered data is valid, then the record is added to the database
* If error occurs, then error message is displayed
* If new event record is successfully added, then the list of events is displayed/updated.

***Cancel operation scenario:***

* User clicks the “Add” button in the event list screen
* Application displays form to enter event data
* User enters event data and presses the “Cancel” button
* Data don’t save in the database, then list of events is displayed to user.
* If the user selects the menu item "Events”, ”Passengers”, the data will not be saved to the database and the corresponding form will be opened.

Diagram

Description automatically generated

Pic. 1.2 Add event

When adding an event, the following details are entered:

* \*\*Date (date picker)
* \*\*Passenger (from the list)
* \*\*Geo location (from the map)
* \*\*Description (free text)
* \*\*Status (from the list)
* Other passengers (multi-select from the list)
* Comments (free text).

Fields marked in \*\* are mandatory fields.

**1.3 Edit Event**

***Main scenario:***

* User clicks the “Edit” button in the event list view
* Application displays prepopulated form to edit event data
* User edit event data and presses “Save” button
* If any data is entered incorrectly, incorrect data messages are displayed
* If entered data is valid, then edited data is added to the database
* If error occurs, then error message is displayed
* If event record is successfully edited, then list of events is displayed.

***Cancel operation scenario:***

* Similar to the “Add Event”

There is no difference in the form visualization for adding / editing event.

Constraints for data validation:

* Description – maximum length of 90 characters
* Comments – maximum length of 140 characters.

## 1.4 Removing Event

***Main scenario:***

* The user, while in the list of events, presses the "Delete" button in the selected event line
* A confirmation dialog is displayed
* The user confirms the removal of the event
* Record is deleted from the database
* If error occurs, then error message is displayed
* If event record is successfully deleted, then list of events is displayed.

Graphical user interface, text, application

Description automatically generated

Pic. 1.4 Delete event dialog

***Cancel operation scenario:***

* The user, while in the list of events, presses the "Delete" button in the selected event line
* If the event can be removed, a confirmation dialog is displayed
* User presses the “Cancel” button
* List of events is displayed without changes.

# 2. Passengers

## 2.1 Display list of Passengers

This view is intended to review and edit the passenger list.

***Main scenario:***

* User selects item “Passengers”
* Application displays list of passengers.

Diagram

Description automatically generated

Pic 2.1 View the passengers’ list

The list displays the following columns:

* First name – passenger’s first name
* Last name – passenger’s last name
* SeatNo – seat number on the 828 air flight
* Address – passenger last address
* DoB – date of birth of the passenger
* Status – latest status (unknown, live, died)

***Filtering by status:***

* In the passenger list view, the user sets a status from the dropdown list and presses the refresh button (to the right of the date entry field)
* The application will show the passengers only with selected status.

Restrictions:

* Once loaded, the application will show all passengers in the database.

## 2.2 Add Passenger

***Main scenario:***

* User clicks the “Add” button in the list view
* Application displays form to enter passenger data
* User enters passenger’s data and presses the “Save” button
* If any data is entered incorrectly, incorrect data messages are displayed
* If entered data is valid, then record is added to the database
* If error occurs, then error message is displayed
* If new passenger record is successfully added, then list of passengers is updated / displayed.

***Cancel operation scenario***

* User clicks the “Add” button in the list view
* Application displays form to enter data
* User presses “Cancel” button
* Data don’t save in the database, then list of passengers is displayed
* If the user selects the menu item "Events”, ”Passengers”, the data will not be saved to the database and the corresponding view with updated data will be opened.

Diagram

Description automatically generated

Pic. 2.2 Add passenger

When adding a passenger, the following details are entered:

* \*\*First name
* \*\*Last name
* \*\*Seat No
* Address
* Date of birth
* \*\*Status
* Comments.

Fields marked in \*\* are mandatory fields.

Constraints for data validation:

* First name – maximum length of 45 characters
* Last name – maximum length of 45 characters
* SeatNo – format of XXC (where X – number, C – character)
* Address – maximum length of 100 characters
* Comments – maximum length of 140 characters.

## 2.3 Edit Passenger

***Main scenario:***

* User clicks the “Edit” button in the list view
* Application displays prepopulated form to edit data
* User edit passenger data and presses “Save” button
* If any data is entered incorrectly, incorrect data messages are displayed
* If entered data is valid, then edited data is added to the database
* If error occurs, then error message is displayed
* If passenger record is successfully edited, then list of passenger is displayed.

***Cancel operation scenario:***

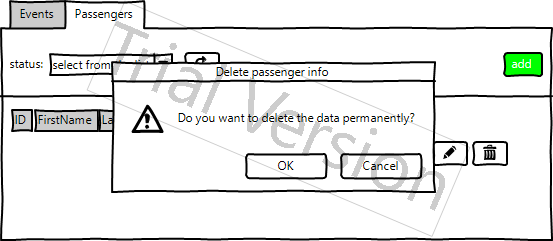
* Similar to the “Add Event”

There is no difference in the form visualization for adding / editing passenger.

## 2.4 Removing Passenger

***Main scenario:***

* The user, while in the list of passengers, presses the "Delete" button in the selected line
* A confirmation dialog is displayed
* The user confirms the removal of the passenger
* Record is deleted from the database
* If error occurs, then error message is displayed
* If passenger record is successfully deleted, then list of passengers is updated / displayed.



Pic. 2.4 Delete passenger dialog

***Cancel operation scenario***

* The user, while in the list of passengers, presses the "Delete" button in the selected line
* A confirmation dialog is displayed
* User presses the “Cancel” button
* List of passengers is displayed without changes.