

Task 3

You have to add features to the *Third Party Event Editor* application. This is will be a utility for your main ticket management application. It should provide the possibility to manage and extract events from another vendor.

Requirements:

1) Copy projects files into src repository.

Do not add this project to the existing Ticketmanagement solution.
Download files from here: <https://github.com/EPAM-Gomel-NET-Lab/CodeSamples/tree/main/ThirdPartyEventEditor>

2) Modify existing project and add the following functionality:

- a) Listing all events based on *ThirdPartyEvent* entity (folder Models)
- b) Adding *ThirdPartyEvent* entity to the system.
- c) Edit *ThirdPartyEvent* entity inside the system.
- d) Delete *ThirdPartyEvent* entity from the system.

3) Use JSON file as a database for your events:

- a) Store the file with events in the *App_Data* folder, relative to your root project directory.
- b) Name of the file should be stored in *Web.config* file in *appSettings* section.
- c) Ensure that only one request (thread) can access this file for change.
- d) Create an action in the controller that can return this file as a response.
- e) Store images as base64 strings

4) Implement basic logging and error handling functionality:

a) Add global exception handling ASP.NET MVC filter. This handler should redirect to the shared error page with error details and log error details into the text file. The text file should be stored in *App_Data* folder relative to your root project directory. The name of the log file should be stored in *Web.config* file in *appSettings* section.

b) Create ASP.NET MVC filter that can log execution time of the action in the controller. It can be applied for a particular action or for the whole controller. Execution time should be logged in the log file described in point a).

5) Inside the Ticketmanagement project from the Task 2 implements importing logic, based on the json file from the *Third Party Event Editor* application.

a) Create a new controller and actions. UI should provide the ability to select json files from your file system.

b) Upload it and parse as a collection of *ThirdPartyEvent* entities.

c) Convert images from base64 to png, save them alongside other images for events in Ticketmanagement.

d) Map data from *ThirdPartyEvent* to regular event and save it into a database.