

Assignment

Please implement a Member Management System that is accessible through a Web API. We need to save and manage information about our members (name and address). Each member can have one or more accounts where he or she can collect points (e.g.: for one international flight with Lufthansa the user gets 150 points) or redeem points from (e.g.: 100 points from his/her account in exchange for a free coffee). Points are stored as a balance on each account. Each account has a name identifying the company from which the points were collected and status telling if the account is active or inactive. Points cannot be redeemed from an inactive or empty account.

The system should cover following use cases:

- user creates a new member
- user creates a new account for a defined member
- member collects points to an existing account
- member redeems points from an existing account
- user can initially import existing members in a JSON format (example is attached)
- user can export all members based on filter criteria (e.g.: export all members that have at least 20 points on an inactive account)

Please use ASP.NET Core as the backend technology and a storage of your choice (either persistent or in-memory). There is no need to implement UI - web requests can be executed from a tool of your choice (e.g.: Postman).

Please send the source code either as zip or as link to a repository.