**## Notes**

Designed and Developed a Sport Management Api system with bearer JWT (Json Web Token) authentication.

All the tasks including the Stretch goals are completed.

Tech Stack:

Language/Framework : C# /.net Core

Database : EFCore In Memory DB

Cloud Services: AWS Cloud Services

**### Date**

**13-Oct-2021**

**### Location of deployed application**

Deployed in AWS via AWS Elastic Beanstalk Service.

Base URL**:** <http://sportsmanagementapi-dev.ca-central-1.elasticbeanstalk.com/>

Isalive URL: <http://sportsmanagementapi-dev.ca-central-1.elasticbeanstalk.com/isalive>

API Doc URL : <http://sportsmanagementapi-dev.ca-central-1.elasticbeanstalk.com/swagger>

**### Time spent**

**22 hrs**

**### Assumptions made**

* A New user/manager is created via the manager endpoint
* Manager logs in to the browser with the credentials that was used when the manager was created. The login endpoint provides JWT bearer token. All the sport management API endpoints are authorized based on this token.
* Manager can create a team, add players, get player details remove player, update player details of that team.
* Manager can create a schedule (or a game) between two teams with only his team as a home team. He can get the schedule with results, delete or update (past or future) the schedule (changing schedule time ( has to be a future time).
* Manager can post a result of a game and get/update/delete the results of past or future games.

**### Shortcuts/Compromises made**

* To speed up development, I used an in-memory database.
* Didn’t have time to write Unit/Integration Tests.
* A few more endpoints were probably required
* Several validations are not present in all the endpoints

**### Stretch goals attempted**

Stretch goals are completed-

* Api Documentation is generated using .net core swagger implementation of open API (the swagger doc url is provided above)
* The API has been deployed to AWS (dev environment) using AWS Elastic Beanstalk service.

**### Instructions to run assignment locally**

* Install docker
* Build docker container
* Run it. It’s going to open a browser window with the baseurl.

**### What did you not include in your solution that you want us to know about?**

* A good set of tests
* A relational db(postgres) to permanently add data.

**### Other information about your submission that you feel it's important that we know if applicable.**

**### Your feedback on this technical challenge**

*Have feedback for how we could make this assignment better? Please let us know.*