using System;

using System.Collections.Generic;

using System.Threading.Tasks;

using Microsoft.AspNetCore;

using Microsoft.AspNetCore.Hosting;

using MongoDB.Bson;

using MongoDB.Driver;

using System.Linq;

namespace ShareHubServer {

public class Program {

public static void Main(string[] args) => BuildWebHost(args).GetAwaiter().GetResult().Run();

#region singletons

public static Random Random = new Random();

public static MongoClient DbClient;

public static IMongoDatabase Database;

#endregion

public static async Task<IWebHost> BuildWebHost(string[] args) {

Console.WriteLine("args are: " + String.Join(',', args));

#region set mongo

{

bool j = true;

Console.WriteLine("connecting to mongodb");

while (j) {

DbClient = new MongoClient("mongodb://" + SECRET.MONGO.USERNAME + ":" + SECRET.MONGO.PASSWORD + "@" + SECRET.MONGO.SERVER\_IP + ":" + SECRET.MONGO.PORT);

Database = DbClient.GetDatabase("ShareHub");

Task task = Database.RunCommandAsync((Command<BsonDocument>)"{ping:1}");

if (await Task.WhenAny(Task.Delay(10000), task) == task) {

Console.WriteLine("connected");

Console.WriteLine("continuing program");

j = false;

}

else {

Console.WriteLine("not connected");

Console.WriteLine("retrying");

}

}

}

#endregion

return WebHost.CreateDefaultBuilder(args)

.UseStartup<ServerService>()

.UseUrls("http://\*:80")

.Build();

}

}

}