A black background with blue and yellow text

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SOFTWARE DEVELOPER EXERCISE

AUGUST 2024

Overview

Below is an exercise to showcase your development skills. It’s not a test and there is no wrong or right answer. It is intended as an exercise to show how you would approach the subject, what methodologies you would use and how you would architect the solution. Please don’t spend too long on it, it doesn’t have to be a finished solution. You may use any C# in whatever form (web, forms, etc), any version and MS SQL Express to show what you can do. If you have any uncertainty in the requirements, interpret them as you see fit.

Requirements

We have constructed a brand-new boating marina called Kings Hill Marina.

A map of a city

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Kings Hill Marina requires a system to record who is in which berth, and how much they should be billed.

Each boat has an owner with personal details, a length, a name, and a makes and type.

The amount billed each year is a multiple of the length of the boat, charged at £51.85 per metre per month, plus VAT.

The diagram below shows the layout of the marina in terms of the berths and the piers.

A map of a parking lot

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Please send across either a zipped up runnable solution and supporting files such as database backups, or a link to the GitHub repo if you wish to store the project there. As mentioned, it doesn’t have to be a finished polished product so please don’t spend too long on it, as long as it runs and shows what you can do.