

Task with Zettabyte*

The task needs a basic knowledge of NodeJS, MongoDB and ExpressJS framework. Please complete the task in given duration. Please follow task guidelines provided. Task definition is given below.

Definition:

You have a ground breaking idea. Something which can revolutionise the process of photo sharing over internet. But you have to build something which you can release as a MVP. So you've decided to make it step by step and made following steps to bring your idea to the life.

Step 1:

First things first, you will have users. So there should be users with the details such as name, email etc. The details are not limited to this, add all the necessary details that you think is needed to manage users.

After the schema design of users, you will need a database that will store your users persistently, and an API with CRUD operations which will need to help you create, update and delete your users.

Step 2:

You have your users! Amazing. Now as you are planning to build the photo sharing app, the pictures should be the first class citizen of the system. With the pictures uploading, you will need to store pictures somewhere in database with some additional metadata. Let's say you store type of pictures, name, date of creation etc.

Please note that we are not asking you to upload pictures, here, pictures are just the URL to the picture. You just store that URL with other metadata in database. Uploading images and storing the images are not required, but if you can do it within the time, that's in your benefit.

So in these 2 steps, we are technically creating following things

- Users having array of Pictures
- CRUD operations on Users
- CRUD operations on Pictures

We expect following things to be there in this structure.

- NodeJS as runtime
- ExpressJS as framework and use Express generator as scaffolding tool
- MongooseJS as mongodb interaction library
- And not any other library

Okay, so things are a little complicated here is it? It is that way because we want to test your programming knowledge as well as analytical skills. The task is simplified to a level, and now it is upto you where you want to take it.

We are not giving you any schema and that is not a mistake. We will let you decide that what is necessary in a system like this to perform and we will also check how you analyse the system and put fields accordingly.

Let your imagination loose and see what extra can you do with this system. If you want an extra penny, you have to run an extra mile. So if you can do more in the given time period, it will make your position stronger, and you will have greater chance of being awarded this job.

You will be judged by the parameters that how well you do with the APIs, how well have you designed the structure, how your code is optimised.

We will definitely not check if you have copied the code from somewhere else because we trust you on this and we hope that you do great.

We at Zettabyte are solely interested in progress of you as an individual and the progress of the organisation that you can be part of. We hope that you finish the task in the given time and you perform great.

Best Of Luck

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