# MongoDB Exercises

## Install MondoDB and Mongoose

Create a JavaScript file ready to use MongoDB. Use MongoDB on its default port – 27017.

## Create Node.js module named 'instanode-db'

Create Node.js module named '**instanode-db**' which is able to save tags and images. Each **tag** has **name**, **creation** **date** and multiple **images**. Each **image** has **URL**, **creation date**, **description** and multiple **tags**. Separate the models into different modules.

## Add saving of images

The module should be able to save an image in the following format:

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| instanodeDb.saveImage({ url: 'https://i.ytimg.com/vi/tntOCGkgt98/maxresdefault.jpg', description: 'such cat much wow', tags: ['cat', 'kitty', 'cute','catstagram'] }) |

## Add search by tag

The module should return all images by tag sorted by their date of creation in descending order:

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| --- |
| instanodeDb.findByTag('cat') |

## Add search by creation date

The module should return all **images** with their tags **between** **two dates**. The two dates are **optional**. For example - if the **'after'** parameter is missing, take into account only the **'before'** one. If **both** are **missing** **do** **not** **filter** by date. Take no more than the provided number of total results. If 'results' is missing, take no more than 10 results:

|  |
| --- |
| instanodeDb.filter({after: minDate, before: maxDate, results: 24}) |