# Files Manager

This project is a compilation of back-end concepts: authentication, NodeJS, MongoDB, Redis, pagination and background processing.

The objective is to build a simple platform to upload and view files with:

- User authentication via a token

- Listing of all files

- Uploading a new file

- Changing permissions of a file

- Viewing a file

- Generating thumbnails for images

## Core technologies

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| ![Redis](https://upload.wikimedia.org/wikipedia/en/thumb/6/6b/Redis\_Logo.svg/1000px-Redis\_Logo.svg.png) | ![MongoDB](https://webassets.mongodb.com/\_com\_assets/cms/mongodb\_logo1-76twgcu2dm.png) | ![NodeJS](https://d2eip9sf3oo6c2.cloudfront.net/tags/images/000/000/256/full/nodejslogo.png) |

## Testing and Jobs

A queueing job mechanism for creating thumbnails of photos uploaded to the application is included in the project. When a new user is created, it also leverages this feature to generate a welcome message. Bull is used in all of this.

![Bull & NodeJS](https://raw.githubusercontent.com/OptimalBits/bull/master/support/logo%402x.png)

Mocha is used in combination with Chai for testing the app.

![Mocha & Chai](https://miro.medium.com/max/499/0\*WpXBkrfgR2g9dw2T.png)

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