

InfoDeniz Technical Challenge

1. Any input request from the user is validated by our system.
2. Any user can register and start sharing their files.
3. Immediately after registration the user should see the button "Upload file". After clicking on this button, the user should be redirected to the page with the file upload form.
4. The form is represented by one single field - `<input type="file">`. The uploaded file must be no more than 10Mb and must not have the .exe, .bmp or .ts, .js extensions.
5. An email is sent to our admin telling him that the following file has been uploaded and the email must be sent through a queue.
6. A registered user should be able to view the list of files uploaded by him, as well as the possibility to delete them. It should be available by clicking on the "My files" button. Application should also count the number of downloads of files.
7. "My Files" page has a list of files in grid layout and a pagination and also a detail page which is opened when clicked on a file. The detail page has 2 sections, a sidebar at right showing the file title and the creation date of the file and the main section in the left side showing download file button and also all the details and the number of downloads of the file.
8. The IP of our user is logged into the database. Assume that we are running the system behind a proxy so that we need the real IP of the user not the IP of our proxy system.

Requirements:

- Technologies: Node.js, MySQL, JS, CSS, HTML, Docker
- Libraries: Nest.js, Vue.js, TypeOrm, Class Validator
- Using of migration for the database.