# Workshop: Movie Magic – Part 4

Your team at work is tasked with creating a website that will attract movie enthusiasts. The site is named "Movie Magic". To create an attractive and interactive platform for movie fans that offers a unique and enriching experience.

This is the final part of the workshop, so if you missed some parts, make sure you complete them before you continue because all parts of this workshop are related to each other.

## Main Task

As a final step, you should implement some validation, notification to improve the user experience and protect the data that is stored in the database.

## Installing Dependencies

You can use [**express-validator**](https://www.npmjs.com/package/express-validator)to do some **validation** and **sanitization** or continue using Mongoose to do validations as well.

## Validations

### User

Before some users register or login, implement the following validations:

* **Email**
* Should be **unique** (add "**unique: true"** property to each **User** **Model** email)
* Should end in **@*x*.*x***, where ***x*** is one or more English letters/digits
* Should be at least **10 characters** long
* **Password**
* Should consist only of **English** **letters** and **digits**
* Should be at least **6 characters** long
* **Password Confirmation** (only in Register Page)
* Should be the **same** as the given password

### Movie and Cast

The **movie** and **cast** forms also should have some validation:

* **title** – At least **5 characters long**, which could be **English** **letters**, **digits,** and **whitespaces**
* **genre** – A t least **5 characters long**, which could be **English** **letters**, **digits,** and **whitespaces**
* **director** – At least **5 characters long**, which could be **English** **letters**, **digits,** and **whitespaces**
* **year** – Between **1900** and **2024**
* **imageURL** (movie poster) –Referring to an actual picture (should start with **http://**... or **https://**...)
* **rating** – Between **1** and **5**
* **description** – At least 20 characters, which could be **English** **letters**, **digits,** and **whitespaces**
* **name** – At least **5 characters long**, which could be **English** **letters**, **digits,** and **whitespaces**
* **age** –Between **1** and **120**
* **born** –At least 10 characters, which could be **English** **letters**, **digits,** and **whitespaces**
* **character** –At least 5 characters, which could be **English** **letters**, **digits,** and **whitespaces**
* **imageURL** (actor)–Referring to an actual picture (starts with **http://**... or **https://**...)

### Error Handling

In case of errors, for instance, if the given **email** is **already** **taken, does not exist** or the given **password** (during the login process) is **incorrect**, handle the error properly and show an appropriate notification.

Картина, която съдържа текст, екранна снимка, Мултимедиен софтуер

Описанието е генерирано автоматично

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### Template Update

If you want to use the notifications which are shown in the pictures, you should modify a little your **main layout .hbs** file. Create a **div** with **class**="**error-container"** with a single **paragraph** inside before the **nav** element. Check the picture below:

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**Good Luck! 😊**