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Group: MT-2405

boot strap grid system

here I start from the navbar

here the first thing that I should do to make the bootstrap code to work
it's the cope and past the links that provided at the start page I copied them on the head
part of the html so then a little bit comment it throught the typing and using the hotkey
ctrl +/ makes the process much faster
then add some bootstrap nav codes notice that there is lots of information through

To make the list of the links as same as the html code but here I add the navbar = "nav"
navbar = link and navbar classes for the bootstrap workage then add the ml which
means the margin left to place the linkaged links to the left apart from the navbar logo
which is also maked by the link which will relocate the user to the home page then write
the <a class="navbar-brand" href="#">Navbar</a> like code to that

```html
<head>
    <meta charset='utf-8'>
    <meta http-equiv='X-UA-Compatible' content='IE=edge'>
    <title>Page Title</title>
    <meta name='viewport' content='width=device-width, initial-scale=1'>
    <link rel='stylesheet' type='text/css' media='screen' href='main.css'>
    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.
    <!-- bootstrap links -->
    <script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sh
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity=
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.min.js" integrity
</head>

<body>


    <nav class="navbar navbar-expand-lg navbar-light" style="background-color: #e3f2fd;">
        <a class="navbar-brand" href="#">Bootik</a>
        <ul class="navbar-nav ml-auto">
            <li class="nav-item">
                <a class="nav-link" href="">Contact</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="">Pricing</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="">Download</a>
            </li>
        </ul>
    </nav>
</body>

</html>
```
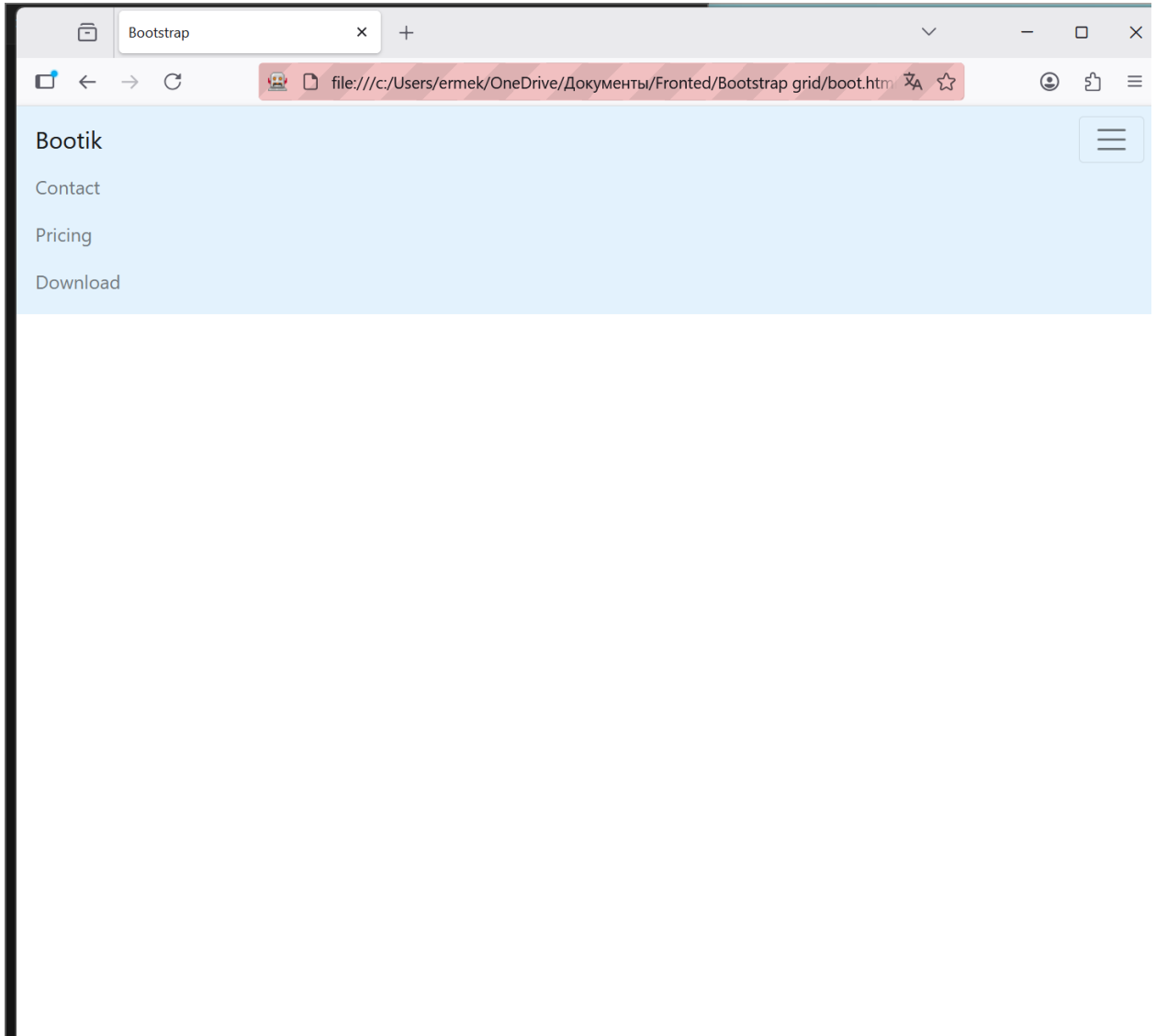
so there is the next thing for the noticing is the format of the navbar it actually pretty fine for the desktop usage but for others may have some troubles with that
so for that reason make the hamburger button that will srink the link and option to them and make it disappers in the other formats
so it's navbar toggler which I just copied from the bootstrap



so make this hamburger button by boostrap and when I make the content range more smaller then usual it automatically make this and also cause of the ml it will took place at the left side whereas the logo tooks the right one

so then I going to make the grid layout which is will be more responsiveness as like if we make the gallery in which will shrink the window it will slowly cut the numbers of the picture in the column and stuff like that

so here is the note that all of the webpages must have the 12 columns that will strongly depended

just because of it we may already give them their's size which will rate between the 1 to 12 like col-6 , col-9 , col-1 and so on
then it will takes the relative part of that number
other way is the just have to write the definite number of col in one row that will make the ratio by it

probably there is 2 main things to notice there row and col in the div that will make sense cause all work will be done in here

I not remember where but here is the table where some lg kinda code snippets need to be on the max and min size to be work for that reason the user can chose for themselves what they need
there is the next point that in the tablet should have the at least two in the row and one in the next so I can do that with the col-md-2 that will make the last row to be on the last row place
for that explanation will look like this first that you gonna write is the col-lg-3 which means the large screen will place in one row only 3 at max then write the col-md-4 which means the middle take 2 and one will go down to new row
then finally write the col-sm-6 which means the small screen will take only the 6 wether the other will go down

that makes this

| col | col | col | |
|-----|-----|-----|-----|
| col-6 | col-6 | col-6 | col-6 |

then

Bootik ≡

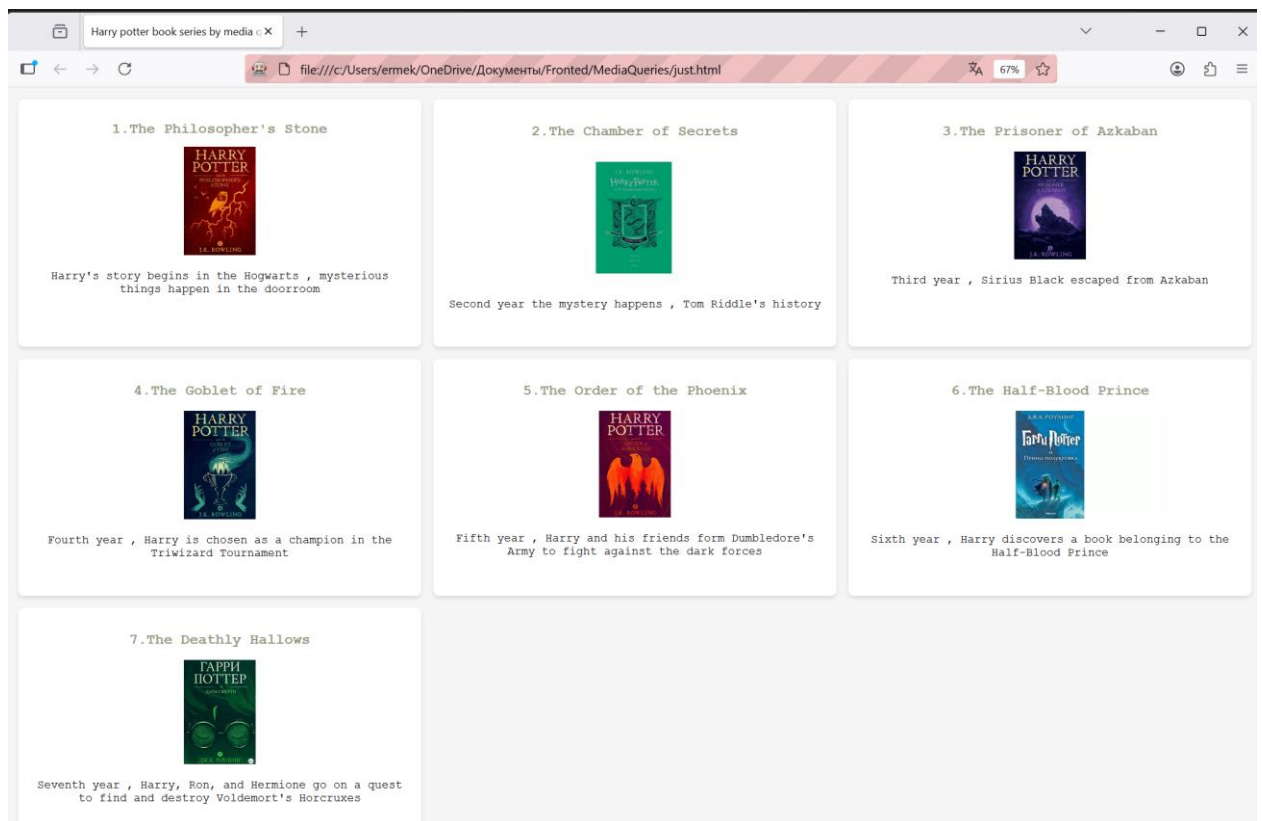| col | col | col |
|-----|-----|-----|
| col-6 | col-6 | col-6 |
| col-6 | | |

then

| col | col | col |
|-----|-----|-----|
| col-6 | | col-6 |
| col-6 | | col-6 |

here notice that if it will be smaller then the 480 it will show the single row in single column

ohh here is the mistake that in the report that ask for the 4 colums then by 2 in the tablet then 1 by 1 in the mobile will be not that same but similar by using only the lg and md without the sm cause there is the case if we shrink window more then the porog it will automatically brings up to the single row and colums

then the media query part

here I make the harry potter books



this is how it look like

so in here I make first the html code

```
<body>
    <div class="book-container">
        <div class="book">
            <h1>1.The Philosopher's Stone</h1>
            <img src="https://i.pinimg.com/736x/5a/0d/39/5a0d3907a89c80ed0ab2ee9eaeacf97a.jpg" alt="error" width="120">
            <p>Harry's story begins in the Hogwarts , mysterious things happen in the doorroom</p>
        </div>

        <div class="book">
            <h2>2.The Chamber of Secrets</h2>
            <img src="https://the-wizards-shop.com/2786-large_default/harry-potter-and-the-chamber-of-secrets-slytherin-collector-french-edition.jpg" alt="error" width="200" height="220">
            <p>Second year the mystery happens , Tom Riddle's history</p>
        </div>

        <div class="book">
            <h2>3.The Prisoner of Azkaban</h2>
            <img src="https://avatars.mds.yandex.net/i?id=319fa00ed6c3bb094c8037fe371b5faf_l-8341813-images-thumbs&n=13" alt="error" width="120">
            <p>Third year , Sirius Black escaped from Azkaban</p>
        </div>

        <div class="book">
            <h2>4.The Goblet of Fire</h2>
            <img src="https://avatars.mds.yandex.net/i?id=8a74d1cf029ab206cc6c99a3910c2c60_l-5884239-images-thumbs&n=13" alt="error" width="120">
            <p>Fourth year , Harry is chosen as a champion in the Triwizard Tournament</p>
        </div>

        <div class="book">
            <h2>5.The Order of the Phoenix</h2>
            <img src="https://avatars.mds.yandex.net/i?id=2bb3cfcf9443a8debe707e1837057d5c_l-5257898-images-thumbs&n=13" alt="error" width="120">
            <p>Fifth year , Harry and his friends form Dumbledore's Army to fight against the dark forces</p>
        </div>

        <div class="book">
            <h2>6.The Half-Blood Prince</h2>
            <img src="https://avatars.mds.yandex.net/i?id=82223ad4ea21b03afedf149cc3c1f0e9_l-5342458-images-thumbs&n=13" alt="error" width="400">
            <p>Sixth year , Harry discovers a book belonging to the Half-Blood Prince</p>
        </div>

        <div class="book">
            <h2>7.The Deathly Hallows</h2>
            <img src="https://ts1.mm.bing.net/th?id=OIP.6Kxm1nSz_Nv3lgmfVNbIBgAAAA&pid=15.1" alt="error" width="120">
            <p>Seventh year , Harry, Ron, and Hermione go on a quest to find and destroy Voldemort's Horcruxes</p>
        </div>
    </div>
</body>
```

here just the img src and the paragraphs with the headings
so that is all
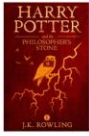about the css code I make it in separate way to make it more convenient to use and so on

so in here I make in most the made the container which is .book-conteiner so place it in the ratio of 3 photo in the row
then make the opening for the tablet and fro the mobile phone

so in here I use the @media at the beginning then to navigate and correct the sixes add the max-width which will look after  for the format  then make the grid template in the tablet to look like the 2 in the row

smartphone is the same but we use the screen to make it 1 by 1


in total or combained work

1. The Philosopher's Stone

Harry's story begins in the Hogwarts, mysterious things happen in the doorroom

2. The Chamber of Secrets
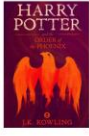
Second year the mystery happens, Tom Riddle's history

3. The Prisoner of Azkaban

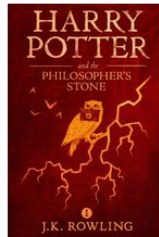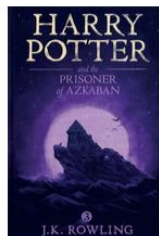Third year, Sirius Black escaped from Azkaban

4. The Goblet of Fire

Fourth year, Harry is chosen as a champion in the Triwizard Tournament

5. The Order of the Phoenix

Fifth year, Harry and his friends form Dumbledore's Army to fight against the dark forces

6. The Half-Blood Prince

Sixth year, Harry discovers a book belonging to the Half-Blood Prince

7. The Deathly Hallows

Seventh year, Harry, Ron, and Hermione go on a quest to find and destroy Voldemort's Horcruxes

here I add the navbar by the bootstrap and make the responsive layout that will change the form and shapes of web site , as you see there is the 4 in the initial then others in the 2 row

then if we shrink the page will show that

## 1. The Philosopher's Stone

Harry's story begins in the Hogwarts, mysterious things happen in the doorroom

## 2. The Chamber of Secrets

Second year the mystery happens, Tom Riddle's history

## 3. The Prisoner of Azkaban

Third year, Sirius Black escaped from Azkaban

## 4. The Goblet of Fire

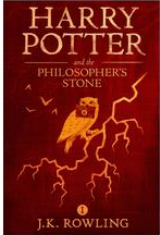Fourth year, Harry is chosen as a champion in the Triwizard Tournament

## 5. The Order of the Phoenix

## 6. The Half-Blood Prince

Contact
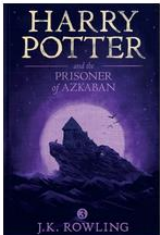
Pricing

Download

1. The Philosopher's Stone

Harry's story begins in the Hogwarts, mysterious things happen in the doorroom

2. The Chamber of Secrets

Second year the mystery happens, Tom Riddle's history

3. The Prisoner of Azkaban

Third year, Sirius Black escaped from Azkaban

4. The Goblet of Fire

Fourth year, Harry is chosen as a champion in the Triwizard Tournament

so I make the hamburget button or just copy and past from the previous task then

```
class="col-lg-3 col-md-6 mb-4">
<div class="card h-100 text-center book">
    <div class="card-body">
        <h2>1. The Philosopher's Stone</h2>
        <img src="https://i.pinimg.com/736x/5a/0d/39/5a0d3907a89c80ed0ab2ee9eaeacf97a.jpg" alt="error" width="120" class="img-fluid mx-auto d-block">
        <p>Harry's story begins in the Hogwarts, mysterious things happen in the doorroom</p>
    </div>
</div>
.v>
```

add some few changes that will show it

In here is the col-lg-3 col-md-6 mb-4 that means
then the card h-100 and card-body make it as the container in css but with more adaptation to the text
add the img-fluid mx-auto-d-block for that reason of the format of the picture some may

be the same but most will not it takes time to make it similar to the eyes

then in css

```css
.book img {
    margin-top: 10px;
    margin-bottom: 20px;
    height: auto;
    max-height: 220px;
    /*optional */
}


/* for tablets */

@media (max-width:768px) {
    h2 {
        font-size: 1.2rem;
    }
    p {
        font-size: 1rem;
    }
}


/* for smartphones */

@media (max-width:480px) {
    h2 {
        font-size: 1.1rem;
    }
    p {
        font-size: 0.9rem;
    }
}
```

there is no book container and the book class there all the bootstrap does that is why we eliminate them then in here the photo as I mention here is no exact sizes that why we write the height auto and regulate the height if it need

so in the @media can say that we eliminate the ratio like grid-template-colums : repeat(3, 1fr) and stuff like that and in the smartphone it will not need just because the bootstrap will automatically make the 1 column if we shink the minimal size for the web page

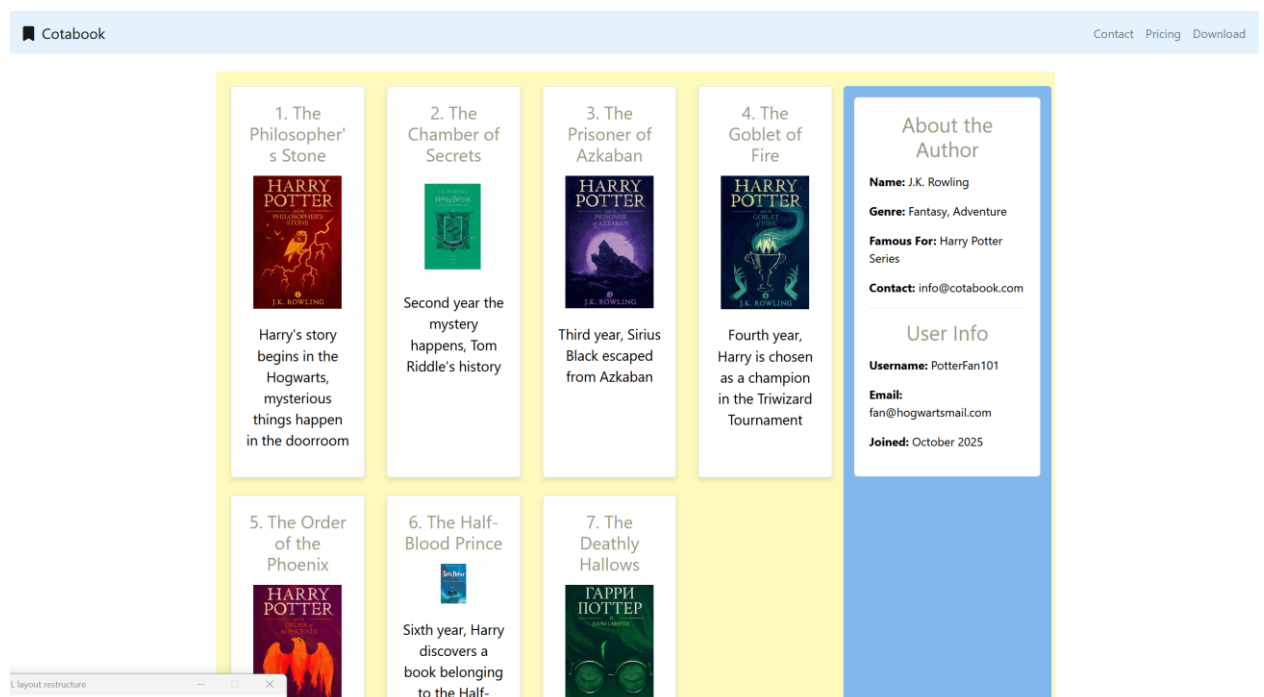criteria said about the footer and sidebar
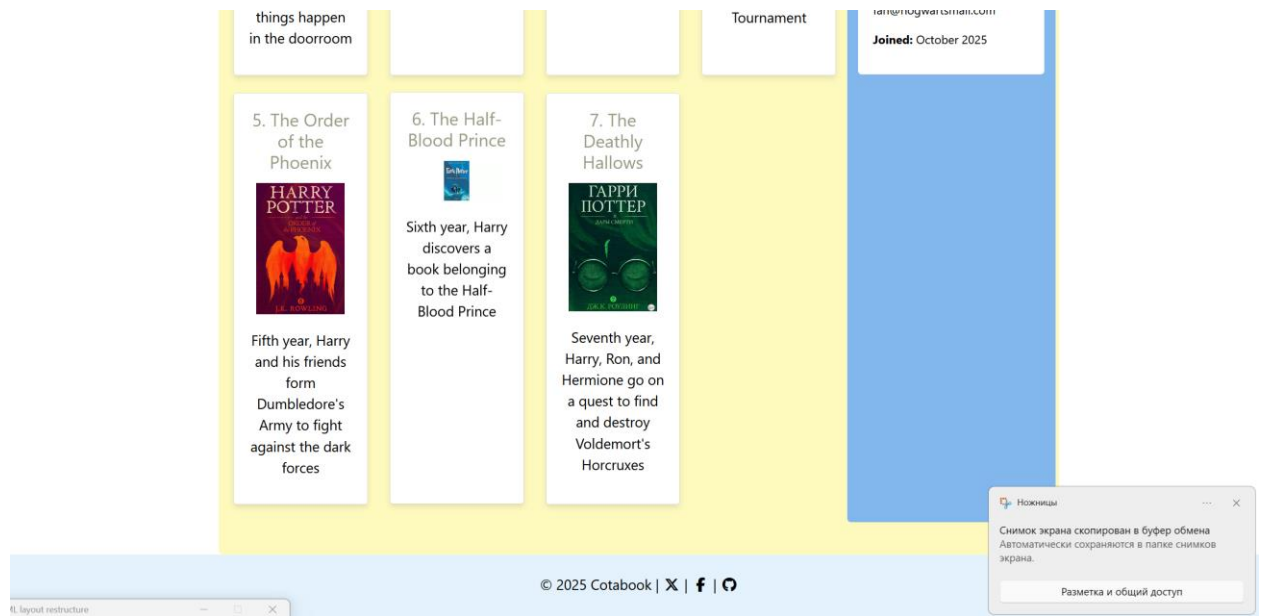I make it by the class="col "
and class = "row"
just like if we put the infor in the left by the ratio

then add the personal information taken in the internet then add the background color straight from the html then regulate the color for more fit
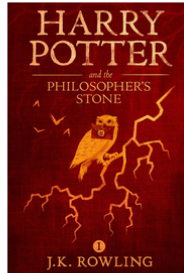add to the footer the X fcebook and github

Get finally this

things happen
in the doorroom

Tournament

ian@hogwartsmail.com

**Joined:** October 2025

5. The Order
of the
Phoenix

6. The Half-
Blood Prince

7. The
Deathly
Hallows

Sixth year, Harry
discovers a
book belonging
to the Half-
Blood Prince

Fifth year, Harry
and his friends
form
Dumbledore's
Army to fight
against the dark
forces

Seventh year,
Harry, Ron, and
Hermione go on
a quest to find
and destroy
Voldemort's
Horcruxes

in the laptop format

## 1. The Philosopher's Stone

Harry's story begins in the Hogwarts, mysterious things happen in the doorroom

## 2. The Chamber of Secrets

Second year the mystery happens, Tom Riddle's history

## About the Author

**Name:** J.K. Rowling

**Genre:** Fantasy, Adventure

**Famous For:** Harry Potter Series

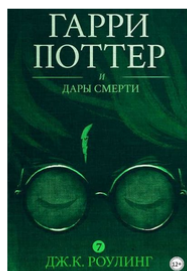**Contact:** info@cotabook.com

## User Info

**Username:** PotterFan101

**Email:** fan@hogwartsmail.com

**Joined:** October 2025

## 3. The Prisoner of Azkaban

## 4. The Goblet of Fire

Army to fight
against the dark
forces

## 7. The Deathly Hallows

ГАРРИ
ПОТТЕР
и
ДАРЫ СМЕРТИ

ДЖ.К. РОУЛИНГ
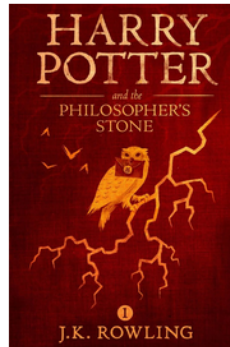
Seventh year,
Harry, Ron, and
Hermione go on a
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in the tablet format

## 1. The Philosopher's Stone



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for the mobile