This project is a personal website development from Lab 1 to become an interactive website using JavaScript.

The goal of this work is to implement:

- DOM Manipulation
- Form Validation
- Arrays & Filtering
- Theme Switching
- Git Workflow with real Commits
- Uploading the project to GitHub

Grade 3 – Contact Form with Validation

A contact page has been added containing a complete contact form with the required fields as per instructions:

1. First Name
2. Last Name
3. Email
4. Subject (Dropdown)
5. Message (Minimum 20 characters)
6. Phone (Optional)
7. Submit + Reset Buttons

What was implemented programmatically?

- Retrieving form elements via DOM
- Verifying names — letters only
- Verifying email addresses — contains @ + domain
- Verifying messages — minimum 20 characters
- Displaying errors under fields
- Coloring fields (Normal – Focus – Error – Valid)
- Live character counter for the message
- Preventing page reloading
- Success message that appears and disappears after 3 seconds
- Extracting the form after submission

Example of a verification code:

```
function validateName(name) {
  const regex = /^[A-Za-z]+$/;
  return regex.test(name.trim());
```

Grade 4 – Dynamic Projects Gallery + Filtering

A Projects array containing 6 projects was created. Each project contains:

1. id

2. title
3. description
4. category
5. technologies [ ]
6. image
7. link

Data format in JavaScript

```
const projects = [
 {
   id: 1,
   title: "Personal Portfolio Website",
   description: "A personal website to present my work.",
   category: "Web Development",
   technologies: ["HTML", "CSS", "JavaScript"],
   image: "images/portfolio.jpg",
   link: "#"
 }
];
```

What was implemented?

Dynamic display of projects using a loop

Creation of Project Cards using JavaScript instead of HTML
Breakdown buttons:

1. All Projects
2. Web Development
3. Design
4. School Projects

On click:

Filters the array

Re-displays results

Updates the counter

Example: “Showing 3 of 6 projects”

Fixed image issue (only a fish image was displayed → resolved)

Grade 5 – Theme Switcher

Added 3 Themes:

1. Light (Default)

2. Dark
3. Blue

What was implemented?

Theme buttons appear at the top of pages
Applying themes via adding/removing classes
Using CSS transitions
Ensuring text clarity
Saving preferences using cookies so that the theme remains the same when the site is reopened

Example application code:

```
function applyTheme(theme) {
  document.body.classList.remove("dark-theme", "blue-theme");
  if(theme !== "light") document.body.classList.add(`${theme}-theme`);
}
```

Git & GitHub Workflow

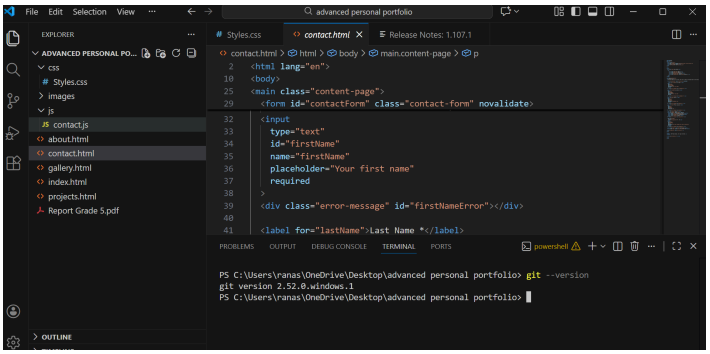
- Creating a Local Repo
- Tracking Files
- Multiple and Logical Commits
- Uploading the Project to GitHub
- Publishing Clear Code

Examples of Commits I Used:

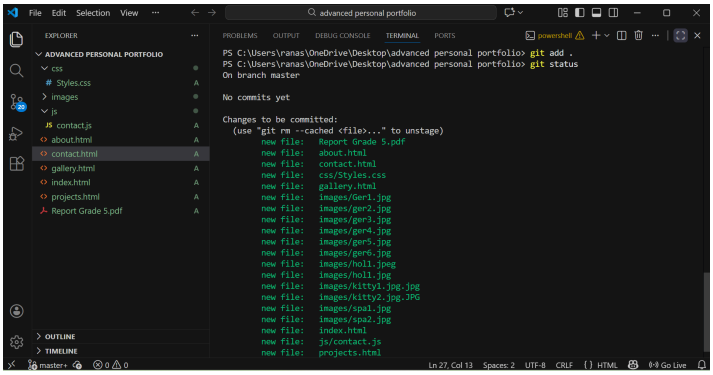
- Initialize project and add existing Lab 1 files
- Add contact form and validation logic
- Add project array and dynamic rendering
- Add project filtering functionality
- Fix image path and card rendering bug
- Add theme switcher (HTML, CSS, JS)
- Implement save theme using cookies.
- Add README and final adjustments.

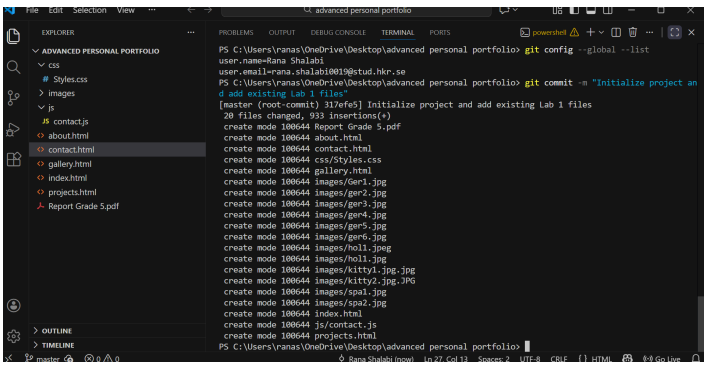
Summary

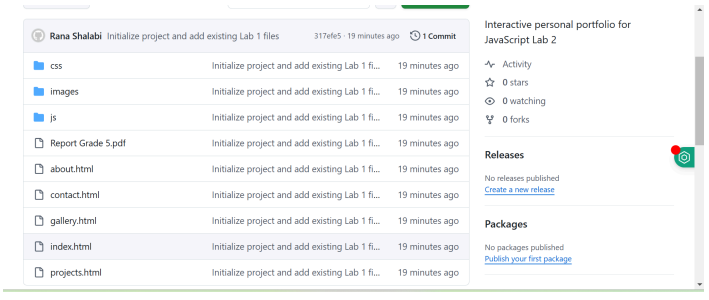
- Through this project, I learned:
- Practical use of DOM and JavaScript
- How to organize code using separate files
- Working with arrays and filtering
- Adding a professional theme system
- Implementing a real Git workflow
- Creating a professional, scalable, interactive website
- This project represents a complete, interactive personal website

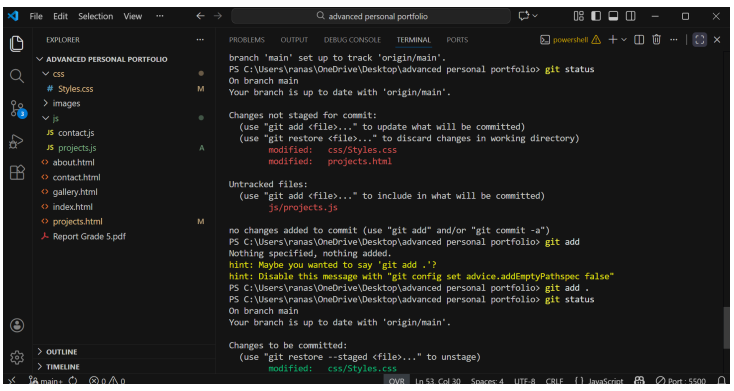

File Edit Selection View
advanced personal portfolio
EXPLORER
ADVANCED PERSONAL PO...
css
Styles.css
images
js
contact.js
about.html
contact.html
gallery.html
index.html
projects.html
Report Grade 5.pdf
Styles.css
contact.html
Release Notes: 1.107.1
contact.html > html > body > main.content-page > p
<html lang="en">
<body>
<main class="content-page">
<form id="contactForm" class="contact-form" novalidate>
<input
type="text"
id="firstName"
name="firstName"
placeholder="Your first name"
required
>

<label for="lastName">Last Name *</label>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git --version
git version 2.52.0.windows.1
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio>
OUTLINE


File Edit Selection View
advanced personal portfolio
EXPLORER
ADVANCED PERSONAL PORTFOLIO
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git add .
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git status
On branch master
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: Report Grade 5.pdf
new file: about.html
new file: contact.html
new file: css/Styles.css
new file: gallery.html
new file: images/Ger1.jpg
new file: images/ger2.jpg
new file: images/ger3.jpg
new file: images/ger4.jpg
new file: images/ger5.jpg
new file: images/ger6.jpg
new file: images/hol1.jpeg
new file: images/hol1.jpg
new file: images/kitty1.jpg.jpg
new file: images/kitty2.jpg.JPG
new file: images/spa1.jpg
new file: images/spa2.jpg
new file: index.html
new file: js/contact.js
new file: projects.html
OUTLINE
TIMELINE


File Edit Selection View
advanced personal portfolio
EXPLORER
ADVANCED PERSONAL PORTFOLIO
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git config --global --list
user.name=Rana Shalabi
user.email=rana.shalabi0019@stud.hkr.se
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git commit -m "Initialize project and add existing Lab 1 files"
[master (root-commit) 317efe5] Initialize project and add existing Lab 1 files
20 files changed, 933 insertions(+)
create mode 100644 Report Grade 5.pdf
create mode 100644 about.html
create mode 100644 contact.html
create mode 100644 css/Styles.css
create mode 100644 gallery.html
create mode 100644 images/Ger1.jpg
create mode 100644 images/ger2.jpg
create mode 100644 images/ger3.jpg
create mode 100644 images/ger4.jpg
create mode 100644 images/ger5.jpg
create mode 100644 images/ger6.jpg
create mode 100644 images/hol1.jpeg
create mode 100644 images/hol1.jpg
create mode 100644 images/kitty1.jpg.jpg
create mode 100644 images/kitty2.jpg.JPG
create mode 100644 images/spa1.jpg
create mode 100644 images/spa2.jpg
create mode 100644 index.html
create mode 100644 js/contact.js
create mode 100644 projects.html
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio>
OUTLINE
TIMELINE


Rana Shalabi Initialize project and add existing Lab 1 files
317efe5 · 19 minutes ago
1 Commit
css Initialize project and add existing Lab 1 fi... 19 minutes ago
images Initialize project and add existing Lab 1 fi... 19 minutes ago
js Initialize project and add existing Lab 1 fi... 19 minutes ago
Report Grade 5.pdf Initialize project and add existing Lab 1 fi... 19 minutes ago
about.html Initialize project and add existing Lab 1 fi... 19 minutes ago
contact.html Initialize project and add existing Lab 1 fi... 19 minutes ago
gallery.html Initialize project and add existing Lab 1 fi... 19 minutes ago
index.html Initialize project and add existing Lab 1 fi... 19 minutes ago
projects.html Initialize project and add existing Lab 1 fi... 19 minutes ago
Interactive personal portfolio for JavaScript Lab 2
Activity
0 stars
0 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package


File Edit Selection View
advanced personal portfolio
EXPLORER
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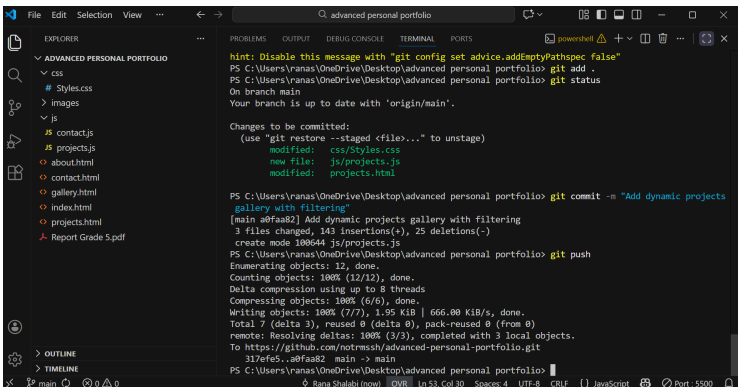
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
branch 'main' set up to track 'origin/main'.
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git status
On branch main
Your branch is up to date with 'origin/main'.
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
modified: css/Styles.css
modified: projects.html
Untracked files:
(use "git add <file>..." to include in what will be committed)
js/projects.js
no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'?
hint: Disable this message with "git config set advice.addEmptyPathspec false"
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git add .
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git status
On branch main
Your branch is up to date with 'origin/main'.
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
modified: css/Styles.css
OUTLINE
TIMELINE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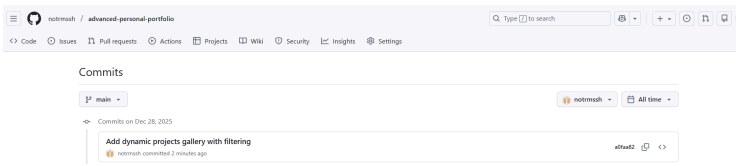
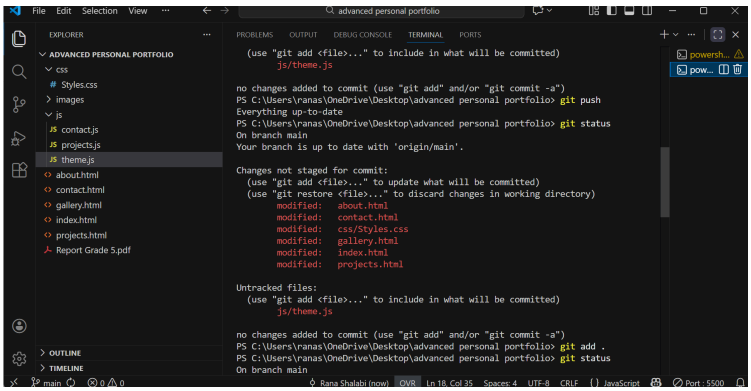
powershell
hint: Disable this message with "git config set advice.addEmptyPathspec false"
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git add .
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git status
On branch main
Your branch is up to date with 'origin/main'.
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
modified: css/Styles.css
new file: js/projects.js
modified: projects.html
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git commit -m "Add dynamic projects gallery with filtering"
[main a0faa82] Add dynamic projects gallery with filtering
3 files changed, 143 insertions(+), 25 deletions(-)
create mode 100644 js/projects.js
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git push
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 1.95 KiB | 666.00 KiB/s, done.
Total 7 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/notrmssh/advanced-personal-portfolio.git
317efe5..a0faa82 main -> main
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio>
main
Rana Shalabi (now)
Ln 53, Col 30
Spaces: 4
UTF-8
CRLF
JavaScript
Port : 5500


notrmssh / advanced-personal-portfolio
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Commits
main
notrmssh
All time
Commits on Dec 28, 2025
Add dynamic projects gallery with filtering
notrmssh committed 2 minutes ago
a0faa82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theme.js
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gallery.html
index.html
projects.html
Report Grade 5.pdf
OUTLINE
TIMELINE
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powersh...
pow...
(use "git add <file>..." to include in what will be committed)
js/theme.js
no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git push
Everything up-to-date
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git status
On branch main
Your branch is up to date with 'origin/main'.
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
modified: about.html
modified: contact.html
modified: css/Styles.css
modified: gallery.html
modified: index.html
modified: projects.html
Untracked files:
(use "git add <file>..." to include in what will be committed)
js/theme.js
no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git add .
PS C:\Users\ranas\OneDrive\Desktop\advanced personal portfolio> git status
On branch main
main
Rana Shalabi (now)
Ln 18, Col 35
Spaces: 4
UTF-8
CRLF
JavaScript
Port : 5500