SEVA SADAN'S

R. K. TALREJA COLLEGE

OF

ARTS, SCIENCE & COMMERCE

ULHASNAGAR – 421 003

CERTIFICATE

**This is to certify that Mr./Ms. <u>AAYUSH YADAV</u>
of F.Y. Information Technology (FYIT) Roll
No. <u>2541056</u>
has satisfactorily completed the Web Designing Mini Project entitled
<u>PORTFOLIO WITH HOVER BASRD INFORMATION CARDS</u>
during the academic year 2025 – 2026, as a part of the practical
requirement. The project work is found to be satisfactory and is
approved for submission.**

PROF. INCHARGE   **HEAD OF DEPT**

SAHIL SHUKLA   **PROF:- LAXMI JESWANI**

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1. INTRODUCTION:-

A portfolio website is a digital platform used to showcase an individual's skills, projects, achievements, and professional information.

It is commonly used by students, developers, designers, and professionals to present their work in an organized and attractive way.

The project "Portfolio with Hover Based Information Cards" is designed to display information in an interactive format.

When a user moves the mouse cursor over a card, additional details appear through hover effects. This technique improves user engagement and makes the interface visually appealing.

2. REQUIREMENT SPECIFICATION:-

2.1 Hardware Requirements
- Computer or Laptop
- Minimum 4GB RAM
- Keyboard and Mouse
- Internet Connection (optional)

2.2 Software Requirements
- Web Browser (Chrome, Edge, Firefox)
- Code Editor (VS Code / Notepad++)
- Operating System (Windows, Linux, or Mac)

2.3 Functional Requirements
- Display portfolio cards on the webpage
- Show additional information when hovering over the card
- Attractive design with animations
- Easy navigation for users

2.4 Non-Functional Requirements
- Simple user interface
- Fast loading webpage
- Responsive design
- Easy maintenance

3. SYSTEM DESIGN:-

System design defines how the project is structured and how different components interact.

The portfolio system consists of the following parts:-

1. User Interface – The visual layout where users can view cards and hover over them.
2. Card Component – Each card contains basic information such as title, image, or icon.
3. Hover Effect – When the user moves the cursor over the card, extra information such as project description, skills, or links appears.
4. Styling Layer – CSS is used to control layout, colors, animations, and hover transitions.

Design Flow:-

User → Opens Website → Views Cards → Hovers Over Card → Information Displayed
The design focuses on simplicity, responsiveness, and visual appeal.

5.   SYSTEM IMPLEMENTATION:-

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Portfolio Hover Cards</title>

<link rel="stylesheet" href="style.css">

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script src="script.js"></script>

</head>

<body>

<h1>My Portfolio</h1>

<div class="container">

<div class="card">
<img src="https://via.placeholder.com/250x180">
<div class="card-content">
<h3>Web Design</h3>
<p>HTML & CSS Project</p>
</div>
<div class="hover-info">
<p>This project shows a responsive website built using HTML and CSS.</p>
</div>
</div>

<div class="card">
<img src="https://via.placeholder.com/250x180">
<div class="card-content">
<h3>App Development</h3>
```

```html
<p>Mobile UI Project</p>
</div>
<div class="hover-info">
<p>This project focuses on mobile application interface
design.</p>
</div>
</div>

<div class="card">
<img src="https://via.placeholder.com/250x180">
<div class="card-content">
<h3>UI Design</h3>
<p>User Interface</p>
</div>
<div class="hover-info">
<p>This project demonstrates modern UI/UX design
techniques.</p>
</div>
</div>

</div>

</body>
</html>
```

```css
body{
  font-family: Arial, sans-serif;
  background:#f4f4f4;
  margin:0;
}

h1{
  text-align:center;
  padding:20px;
}
```

```css
.container{
  display:flex;
  justify-content:center;
  flex-wrap:wrap;
  gap:20px;
  padding:20px;
}

.card{
  width:250px;
  height:300px;
  background:white;
  border-radius:10px;
  box-shadow:0 4px 10px rgba(0,0,0,0.2);
  overflow:hidden;
  position:relative;
}

.card img{
  width:100%;
  height:180px;
  object-fit:cover;
}

.card-content{
  padding:15px;
}

.hover-info{
  position:absolute;
  bottom:-100%;
  left:0;
  width:100%;
  height:100%;
  background:rgba(0,0,0,0.8);
  color:white;
  display:flex;
  justify-content:center;
  align-items:center;
  text-align:center;
  padding:20px;
```

```
}

$(document).ready(function(){

$(".card").hover(function(){

$(this).find(".hover-info").stop().animate({
bottom:"0"
},300);

}, function(){

$(this).find(".hover-info").stop().animate({
bottom:"-100%"
},300);

});

});
```

6.   RESULTS:-

Testing is performed to ensure that the system works properly and provides a good user experience.

Testing Methods
- Functional Testing – Checking whether hover effects display the correct information.
- Browser Testing – Ensuring the website works in different browsers like Chrome and Firefox.
- Responsive Testing – Checking if the layout works on different screen sizes.

Results:-

The portfolio website successfully displays information cards with hover effects.
 When users hover over the cards, additional details appear smoothly.

 The system works properly and provides an interactive user experience.

7.FUTURE SCOPE AND CONCLUSION:-

Future Scope:-

This project can be improved in the future by adding:-

- **Mobile responsive design improvements**
- **More advanced animations**
- **Integration with a backend database**
- **Contact forms and user interaction features**
- **Personal project galleries and links**

Conclusion:-

The Portfolio with Hover Based Information Cards project demonstrates how interactive design can improve the presentation of personal information and projects.

By using simple web technologies like HTML, CSS, and JavaScript, an attractive and user-friendly portfolio can be created.

8. REFERENCES:-

1. W3Schools – HTML and CSS Tutorials

2. MDN Web Docs – Web Development Resources

3. Online tutorials and documentation for web design

4. YouTube web development tutorials.

9. GLOSSARY:-

Portfolio Website: A website used to showcase personal skills, projects, and achievements.

Hover Effect:- A visual effect that appears when the mouse pointer moves over an element.

HTML:- HyperText Markup Language used to create webpage structure.

CSS:- Cascading Style Sheets used to design and style webpages.

JavaScript:- A programming language used to add interactivity to websites.