

## Coursework Coversheet

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Marks Obtained (out of 100):

Grade:

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**Amdjed's Aviation**

[Services](#)

[Gallery](#)

[A](#)

# Wings of Passion

Since childhood, I've been captivated by the skies. While others saw planes, I saw purpose. I devoured aviation books, flew simulators, and saved for flying lessons. The moment I took the controls of a real aircraft, I knew: this wasn't just a dream it was my destiny. Now, I don't just watch the skies I belong to them.

**Website peek!**

## **1. Introduction**

### **Purpose of the Project:**

The goal of this project is to develop a website that is both aesthetically pleasing and useful for "Amdjed's Aviation," a company that provides contemporary air travel solutions. The website will function as a contact and informational tool, highlighting services like maintenance, flight training, and employment opportunities for pilots. The objective is to give users a smooth user experience across multiple devices and easy access to important business information.

### **Target Audience:**

The intended audience consists of small business owners in the aviation sector, aviation enthusiasts, aspiring pilots, and aviation students. People looking for maintenance services or those interested in flight training will also be served by this website.

### **Platform or Tools Used:**

HTML, CSS, and JavaScript were used in the development of the website. The design is completely responsive, meaning it works well on desktops, tablets, and mobile devices. Flexbox and CSS Grid were utilised for layout, guaranteeing that the website works well on all devices. JavaScript was used to improve user interaction and dynamic content handling on the website.

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## **2. Planning and Research**

### **Wireframes or Sketches:**

Wireframes for the website layout were created during the planning stage. A striking hero image and a navigation bar with links to the services, gallery, about, and contact sections are featured on the homepage. Every page has a simple, minimalistic layout that emphasises user engagement.

### **Design Inspiration:**

Other modern, minimalist websites in the aviation sector served as inspiration for the design. Websites with imagery-based backgrounds and navigation systems, such as "Emirates" and "JetBlue," were reviewed for layout inspiration.

### **User Experience (UX) Goals:**

The website should be simple to use and intuitive, with obvious calls to action like "Contact Us" and "Learn More." The site's minimalistic design ensures that users can swiftly access crucial information while maintaining focus on the main content.

### **Accessibility and Responsive Design Considerations:**

Throughout development, accessibility was given top priority. Alt text was added to every image, colour contrast was adjusted for readability, and the website is completely keyboard navigable for people with disabilities. Furthermore, the design is responsive, meaning it can adjust to various screen sizes on both desktop and mobile devices..

### **Justification of Choices:**

To minimise the mess and maintain the focus on the content, a minimalist design was selected. This method improves the website's functionality and visual appeal while supporting quicker load times and a neater, more polished user interface.

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## **3. Design Decisions**

### **Color Scheme and Its Meaning:**

The background is dark tones and shades of blue (#64ffda). Key values in the aviation sector, blue is selected to signify trust and dependability. Light blue accents for buttons and hover states help direct the user's eye and create a welcoming impression of the site.

**Font Choices and Readability:** While "Playfair Display" is used for headings to provide some elegance, the main font is "Roboto," selected for its device-wide legibility. The font sizes are responsive, therefore guaranteeing readability on all screen sizes.

Using the brand colours for consistency, the logo is created with a straightforward, elegant typeface.

### **Logo and Branding Elements:**

With sleek and modern designs to fit the expectations of the target audience, branding components mirror the theme of aviation.

### **Structure of Pages:**

A hero area with a tagline on the homepage is followed by a quick service summary. Users can quickly switch between services, gallery, about, and contact pages using the navigation bar. Every page is designed with user interaction in mind, providing interesting graphics, straightforward forms, and unambiguous information..

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## **4. Technical Implementation**

### **Languages or Platforms Used:**

The website was built using HTML for structure, CSS for styling, and JavaScript for dynamic functionality. The HTML structure is semantic, ensuring that the website is search engine friendly and easy to maintain. The CSS Grid layout and Flexbox were employed to ensure the site is responsive, adapting well to different screen sizes.

### Screenshots of Code or Editor:

```
<body>
  <header class="header">
    <nav class="nav-container">
      <a href="#" class="logo">Amdjed's Aviation</a>
      <div class="nav-links">
        <a href="#services">Services</a>
        <a href="#gallery">Gallery</a>
        <a href="#about">About</a>
        <a href="#contact">Contact</a>
      </div>
    </nav>
  </header>
```

\*This snippet is part of the navigation bar, created using a flexible layout to ensure it adjusts across different screen sizes.

```
<section class="gallery" id="gallery">
  <div class="gallery-item">
    
  </div>

  <div class="gallery-item">
    <blockquote class="imgur-embed-pub" lang="en" data-id="smC3C58">
      <a href="https://imgur.com/smC3C58">View post on imgur.com</a>
    </blockquote>
    <script async src="//s.imgur.com/min/embed.js" charset="utf-8"></script>
  </div>

  <div class="gallery-item">
    <blockquote class="imgur-embed-pub" lang="en" data-id="wAshVdq">
      <a href="https://imgur.com/wAshVdq">View post on imgur.com</a>
    </blockquote>
    <script async src="//s.imgur.com/min/embed.js" charset="utf-8"></script>
  </div>
</section>
```

This snippet combines a high-resolution image from Unsplash with embedded Imgur posts to generate a responsive image gallery. Externally hosted, interactive images can

be used with Imgur embeds without making a website take longer to load. A reliable static image with an alt attribute for accessibility is added by the <img> tag.

This method demonstrates my ability to incorporate third-party content with standard HTML elements while preserving a positive user experience, enhances visual appeal, and supports responsive design.

### **Features Implemented:**

- **Contact Form:** A functional contact form allows users to get in touch easily.
- **Responsive Layout:** The website is fully responsive, optimized for desktop, tablet, and mobile screens.
- **Image Gallery:** A dynamic gallery of images related to aviation, showcasing services and equipment.
- **Interactivity:** JavaScript is used to handle user interactions, such as form submissions and hover effects.

### **How Interactivity Was Added:**

JavaScript was used to create interactive elements like hover effects for gallery items and smooth scroll functionality. The contact form uses JavaScript validation to ensure proper data entry before submission.

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## **5. Testing and Feedback**

### **Devices and Browsers Tested:**

The website was tested across various devices, including desktops, tablets, and mobile phones. Major browsers like Chrome, Safari, and Edge were used to ensure cross-browser compatibility.

### **Accessibility Checks:**

Color contrast was checked using accessibility tools, ensuring that the website is readable for users with visual impairments. Alt text was added to all images, and the site was tested using a screen reader.

### **User Testing or Peer Feedback Summary:**

User testing was conducted with peers, focusing on navigation ease and visual design. Feedback indicated that the contact form needed clearer instructions, which were then added to improve usability.

### **Bugs Encountered and How They Were Fixed:**

A bug related to mobile navigation was fixed by adjusting the CSS media queries, ensuring that the navigation menu was properly displayed on smaller screens.

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## 6. Evaluation

### What Went Well:

- The responsive design successfully adapts to different devices and screen sizes.
- The minimalist design approach enhanced both aesthetics and user experience.

### Challenges Faced:

- Ensuring proper alignment of layout elements across devices was challenging, but was resolved using Flexbox and CSS Grid.
- Achieving an optimal color contrast for accessibility was another challenge, which was addressed with tools and testing.

### Improvements You Would Make:

- If given more time, I would add animations for smoother transitions and interactions.
- The gallery could be enhanced with a lightbox feature for a more engaging experience.

### How the Website Meets Business Goals:

The website achieves its goal of giving users quick access to clear, understandable information about Amdjed's aviation services so they can get in contact and learn more about the company's offerings. The site is accessible to a wide audience due to its responsive design and minimalistic approach, which guarantee that it functions well on all devices.

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## 7. References:

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