# SCover Page

Table of Contents

[Introduction 1](#_Toc168576439)

[Initial Planning and Client Collaboration 1](#_Toc168576440)

[Technical Skills and Learning Curve 2](#_Toc168576441)

[Website Development Process 2](#_Toc168576442)

[Successes and Positive Outcomes 2](#_Toc168576443)

[Challenges and Areas for Improvement 3](#_Toc168576444)

[Individual Contributions 3](#_Toc168576445)

[Conclusion 4](#_Toc168576446)

[References 5](#_Toc168576447)

# Introduction

Developing the website for Sydney Car Rental was a challenging and enhancing process of coming to know technological aspects, teamwork, and daily customer communication. Regarding this matter, our team strengthens our understanding of the complex aspects encompassing the procedure. Overall this project was a great learning experience and all the team members were able to work together to solve problems that came along the way from every phase right starting from planning to implementation and every phase of the deployment process. Our goal was not only to design an easy-to-use, efficiency-oriented website but also an aesthetically pleasant and corporately aligned website. The following report outlines the web development process of this group and also includes the obstacles that we came across, achievements that we attained, and the respective contribution of each member of this group

# Initial Planning and Client Collaboration

In this project, the primary stage was the development of the project specification with the client, Sydney Car Rental. Having established this primary contact, the task was important as it provided the foundation for the rest of the process (APM, 2014). The customer also pointed to the need for simplicity, especially in the navigation; a stable process; and the necessity of mobile optimization. Owing to these requirements, a comprehensive project calendar was designed to cover vital milestones, specific dates, and people involved.

The responsibilities of the project manager also became rather important as one of the members of our team agreed to become a project manager who had to oversee and coordinate the work and finalize the given assignments. Another member focused on front-end Web design which incorporates their knowledge on designing aesthetically pleasing effective interfaces. Another individual was responsible for the back-end aspects with a focus on server-side scripting plus database management. The main responsibilities were to create content for the website and retain the client's communication, guaranteeing that the website content reflects the tone a client wants.

# Technical Skills and Learning Curve

Designing for the Sydney Car Rental needed both front-end and content creation work and was therefore a very challenging area for our team. To meet these requirements, we divided the learning activities based on each other talents and preferences. To enhance our front-end programming, I also set myself up for online classes in HTML, CSS, and JavaScript (Prince et al., 2016). This understanding turned out to be useful in designing a user-friendly as well as an attractive front-end.

At the same period, members focused on searching for the necessary photos and text that was compliant with SEO. This had to be in the technological sense when designing and developing an enhanced website look that would enable the implementation of user interaction on the website. The assembling of the front-end components proved challenging, and there is a constant need for collaboration and problem-solving.

# Website Development Process

When it comes to development, our initial steps are in wireframing and prototyping. For creating the initial layout sketches, we used a tool called Figma which acts as a visual guide when determining a website’s structure and aesthetic (Interaction Design Foundation, 2002). These wireframes were then modified based on the feedback received to ensure that the wireframe design met the expectations of customers.

Once the design was done, we proceeded to the coding phase specifically. As for this phase, it was also fine because we learned from the previous phases and knew what and how exactly we should design. HTML and CSS were used to build a clean and sleek layout with a good-grained grid system for better layout on multiple devices and browsers. Interactive interfaces were created by use of JavaScript to make the user interface more friendly. During the realization of the development phase, we provided updates and asked for feedback from the customer.

# Successes and Positive Outcomes

Another crucial aspect of our project that worked well was that we created a platform with an easy-to-navigate interface. The stakeholder have met their expectations setting a clean and modern look for the website along with having effective sitemaps and categories (Will Newland, 2023). One aspect of the design I found impressive was using CSS, media queries, and grid layout management for portable browsing, the site plays well across devices.

Another significant conquest was that in our group, everything flowed amazingly and everyone worked in unity. We overcome difficulties by utilizing each team’s strengths and providing the finest means of communication. They enjoyed a good quality responsive website which was delivered on the stipulated date.

# Challenges and Areas for Improvement

Nevertheless, we had some difficulties which we faced during the work: This implies that time management became a major issue due to the competition between the project and other academic tasks (Indeed Editorial team, 2023). However, it may have been wiser to dedicate more time to the testing phase of the project. Some issues that could have been prevented by an extensive round of testing were observed in the final phases of development.

There is one more aspect the management of the company should pay attention to, namely, the level of client communication. All in all, sometimes it was a bit unclear, and even though we were in constant contact, at times more precise explanations could have helped prevent confusion. If we were to engage in similar efforts in the future, we would establish more formally structured modes of communication that all the relevant parties would contribute to and receive from, including weekly status meetings and detailed reports.

# Individual Contributions

Member 1: Some of the responsibilities(JOHANSSON JO, 2023) that were assigned to the team, specifically Member 1 as the project manager included or are as follows;- They also assisted in the most fundamental aspect of the development process which included the front-end development and Quality Assurance

Member 2: Being in charge of front-end designs, Member 2 created wireframes and prototypes, coded in HTML and CSS, and made a mental check on the responsiveness of the site across several devices.

Member 3: Responsible for back-end development, in which he/she was tasked with configuring the server, creating the database, and determining how the front end should communicate with the server and all its functions. They also wanted to address technological issues of concern to them.

Member 4: Responsible for updating the content of the website and creating textual images that need to be optimized for search engines. There was a consistent flow of communication with the customer throughout the project and their comments were incorporated into our work.

# Conclusion

Through the process of designing the Sydney Car Rental website, our team can rejuvenate the process and benefit from it as well. It made it possible for us to expand our technical knowledge and enhance our interaction and communication skills as well as having good and constructive client interactions. In this process of defining the overall flow from the early phases of planning to delivering the final product, some major lessons are apparent. However, one would indicate that the importance of a systematic strategy and effective management of projects cannot be overemphasized. Through Member as our project leader, we were able to keep the vision of what we intended to achieve and how we were going to schedule and allocate duties among the team members. The initiative ensured people that they always should learn and always have to be prepared for changes.

# References

APM (2014) *Project Management Pathways*. 2002nd ed. M. Stevens ed. The Association for Project Management Limited. Available from: <http://www.apm.org.uk/content/project>.

Indeed Editorial team (2023) 12 Time-Management Problems (and How To Fix Them) | Indeed.com [Internet]. Available from: <https://www.indeed.com/career-advice/career-development/time-management-problems>.

Interaction Design foundation (2002) What is Wireframing? — updated 2024 | IxDF [Internet]. Available from: <https://www.interaction-design.org/literature/topics/wireframing>.

JOHANSSON JO (2023) Project team roles and responsibilities (with examples) [Internet]. Available from: <https://resourceguruapp.com/blog/project-management/project-team-roles-and-responsibilities>.

Prince, T., Jenifer, M., H, A., H, B., G, F., S, H. & W, S. (2016) Design of Car Rental Management System for Organization, Customers and Car Owners. *International Journal of Engineering Trends and Technology*, 34 (7), pp.319–321. Available from: <https://www.researchgate.net/publication/304492254\_Design\_of\_Car\_Rental\_Management\_System\_for\_Organization\_Customers\_and\_Car\_Owners>.

Will Newland (2023) What Does Successful User Interface (UI) Design Look like? | SoBold [Internet]. Available from: <https://sobold.co.uk/what-does-successful-user-interface-ui-design-look-like/>.