The Holden Prototype

2 Scenario

2.1 Introduction, personas and use-case
Introduction
A historical researcher called James who is researching the industry is currently studying about Australian native car brand. He lives in Melbourne. He has been influenced by the Holden car headquarter which was built in Melbourne before the company was closed. He decided to go to the Australian National Museum to see the Holden cars and soon found some information about the car via the Internet.

Persona
James is almost 50 years old. He has a great interest in cars and has a passion to study about it. He is proficient in technology and is good at using the Internet to enhance his research. He tends to study objects from a visual perspective. He would like to do some on-line research about the 360-degree view of the car.

Descriptive use-case
He clicked the link to open the website about Holden car. The first thing he saw is a picture of the first Holden car and a menu on the right. If the mouse hover on the buttons, a hint tag will show up. He tried to click onto one of the parts of the car and the system would display a description as well as highlighting the selected item. For example, when he clicked the wheel of the car, the wheel would be highlighted and a small text box including an introduction about the wheel would appear. There was a scroll bar at the bottom of the picture allowing him to be able to drag the scroll bar to change the type of the Holden car from the old one to the most recent one. In the process of dragging, he could see the changes been made in the Holden cars in different periods along with the historical reasons that affected the design of the car and the title also changed with the car. Then he clicked onto three different arrows. When he clicked on the buttons on both sides, the first Holden car would rotate from different angles. James had the opportunity to observe the car from different perspectives allowing him to make some new discoveries. James also clicked onto the middle button which reset the first Holden car back to its origin position. He clicked onto the fourth button with hints. He found out that he could hear some audios and he can also read some additional text information as well as some updated prompt messages. James clicked the audio button and he found this is screen reader controller, which is for people who cannot read. After that, he clicked the button at the left corner which would allow him to watch the car interior and he can expand the virtual scope by clicking the arrow which was around the photo. If he clicked on one of the parts of the car interior, he could also get some details about the selected part.

2.2 Match between the scenario and the design concept
In this scenario, James fully used the features of this website. He learned about the structure of the car through various different methods and techniques provided by

the website, the history of the car and the factors that influenced the development of the car at the time. According to our design concept, we hope that viewers can have a thorough understanding of parts of the Holden car including the car's appearance, structure and interior. Therefore, we used the technology of observing the car in 360° view. The viewer can be able to change the angle of appearances and interiors when observing the first Holden car; therefore, they can see some component details about the car at a close distance. In addition to the 360° view, we have also applied other techniques. For example, people can understand how parts of the car work by clicking on different parts of the car. Through these technologies, the viewer will be able to have a basic understanding of the vital structure of the Holden cars. In order let the viewer understand the history of the cars, we designed a bar to represent the timeline of Holden. When the viewer drags the bar, it is indicating the change of time period. They can see the changes in the appearance and interior of the car at different times. Using this technology is a great choice as it helps the viewers to compare with different vehicles in each different time period making it easier to summarize the results. With the display and comparison of vivid photos, people will become more interested and more impressed with the history of the Holden car.

We understand that the history of the Holden cars cannot just understand the simple changes they made. We also need to have a deeper understanding of the reasons why the Holden car has changed. Therefore, we used three different ways to achieve that design concept. Next, to each Holden car, a label has been set to distinguish the time period it was manufactured. We have also added a piece of text material about the changes in the car and some of the reasons that affected the car. In order to make our website more popular, we would be adding audio and the text next to the comment will be converted into an audio. This is a faster alternative for the viewers to understand the main content of the text. The final way is to add some links about the reason why the Holden car has changed and some background story at that time. We know that it is impossible to display all the information on our website, therefore, we can only extract as much detailed information as possible. Therefore, it is crucial to add different links next to our text materials as it will allow the viewer to gain more knowledge about the reasons for the Holden car change. In conclusion, we used many different techniques on our website and the ultimate goal of using them is to give the viewers a better understanding of the structure, development, and the reason why Holden car changed.