

Advanced client side development

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Higher diploma in computing  
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Graphical user interface, website

Description automatically generated

Fig 1. Screenshot showing the Home page for the site (which in this screenshot, is running as a natively installed PWA). This is the narrow view, showing that the navigation menu has collapsed behind a toggle. The carousel automatically cycles through the various figures on the site (or the navigation buttons on the carousel can be used). Clicking an image when it appears navigates to that person’s page. Additional text here found in an online article. The external link to Epic will open in a new tab.

Graphical user interface, website

Description automatically generated

Fig. 2. Screenshot showing Bram Stoker’s page on the site. Design is consistent on all pages, utilising the same navbar component. The image at the top is designed to match the appearance of the Carousel on the homepage. With text underneath in the same style. This screenshot also shows the results of an API call to Google Books. The call returns a JSON with information about books relevant to the person from Google Books. Relevant data is extracted from the book and presented to the user.

Graphical user interface, text

Description automatically generated

Fig. 3. Screenshot of Anne Bonny’s page. Console included showing the line “Book excluded for missing data”. Some error handling was put in place in case a Google Books entry does not have all the data points used on the site. In this case there was a book without a thumbnail image available, so it was excluded.

Text

Description automatically generated

Fig. 4. Screenshot showing Sir Charles Parsons’ page on the site. There are fewer related books about this person, so fewer entries returned. This screenshot also shows the Footer which is also presented consistently on all pages.

Graphical user interface, text, application, chat or text message

Description automatically generated

Fig. 5. Screenshot taken in narrow mode (while on Dame Jocelyn Bell Burnell’s page), with the navigation button clicked, which expands the OffCanvas navigation menu.

Graphical user interface, website

Description automatically generated

Fig. 6. Screenshot showing Ernest Shackleton’s page on the site. This page was navigated to with internet disconnected, so the API call to Google Books failed, resulting instead in the “No Books Available” message. The site logo and name on the left of the navbar links back to the home page (as it does on each individual’s page), matching common practice in web design. This is a feature which users will have come to expect from websites.