



PROJECT: PEX

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COURSE: ELATT (2018)

WEB DESIGN LEVEL2 DIPLOMA

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PEX – PTOLEMY EXCHANGE

- PEX is a website dedicated to providing access to resources made available by the NASA space agency.
- The target audience of this website are space exploration enthusiasts and individuals with an interest in astronomy.

Patrons of this website will initially be provided with access to two NASA media resources.

- ❖ The Picture of the Day (APOD) online repository
- ❖ NASA's search facility – which provides for finding media from a wider range of NASA repositories

DESIGN GOALS

Aesthetic Appeal

- The primary concern is that all the webpages of this website present a consistent feel and appearance.
- The colour scheme should be accommodating to patrons with a moderate visual impairment.
- The overall layout should be clean and uncluttered.
- All the webpages should behave in a responsive manner depending on the device from which the website is being accessed.

DESIGN GOALS

Technical Constraints

These are largely defined by the course curriculum

CSS/BOOTSTRAP4

JAVASCRIPT/JQUERY/AJAX

HTML5

PHP

MYSQL

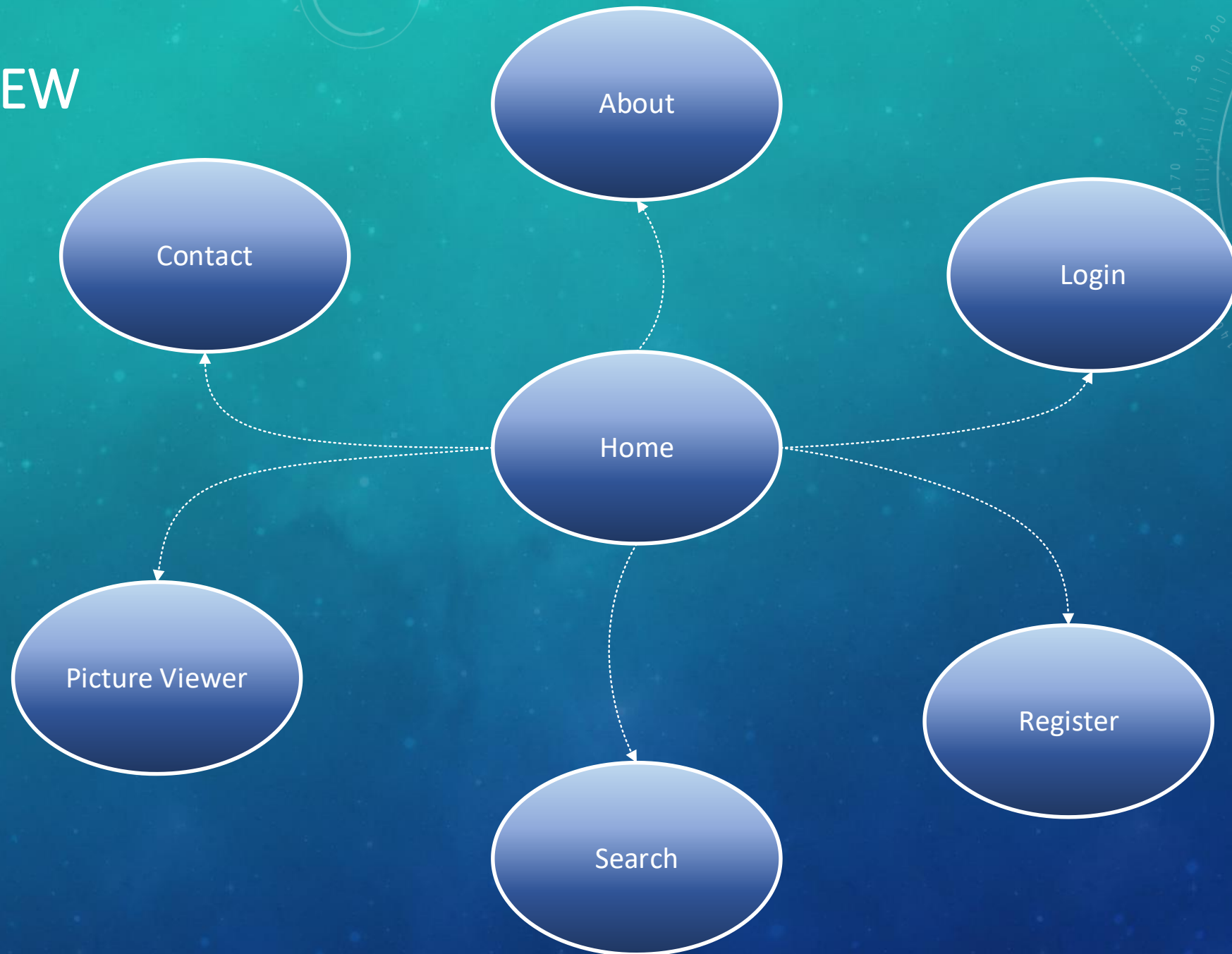
DESIGN GOALS

Attendant Issues

These are largely contained within two categories:

- Patrons with a visual impairment – as mentioned in the Aesthetic Appeal goals
- Adherence to the regulations concerning the handling of personal data of patrons

OVERVIEW



HOME PAGE

The user is presented with an active carousel displaying a seven day window of APOD (astronomy picture of the day) media – this will either be a static image or video.

Each carousel image will have a button which when clicked will take the member user to a separate webpage where more details about the media can be viewed – in the Picture View page. Both static image and video media will be handled in the same manner.

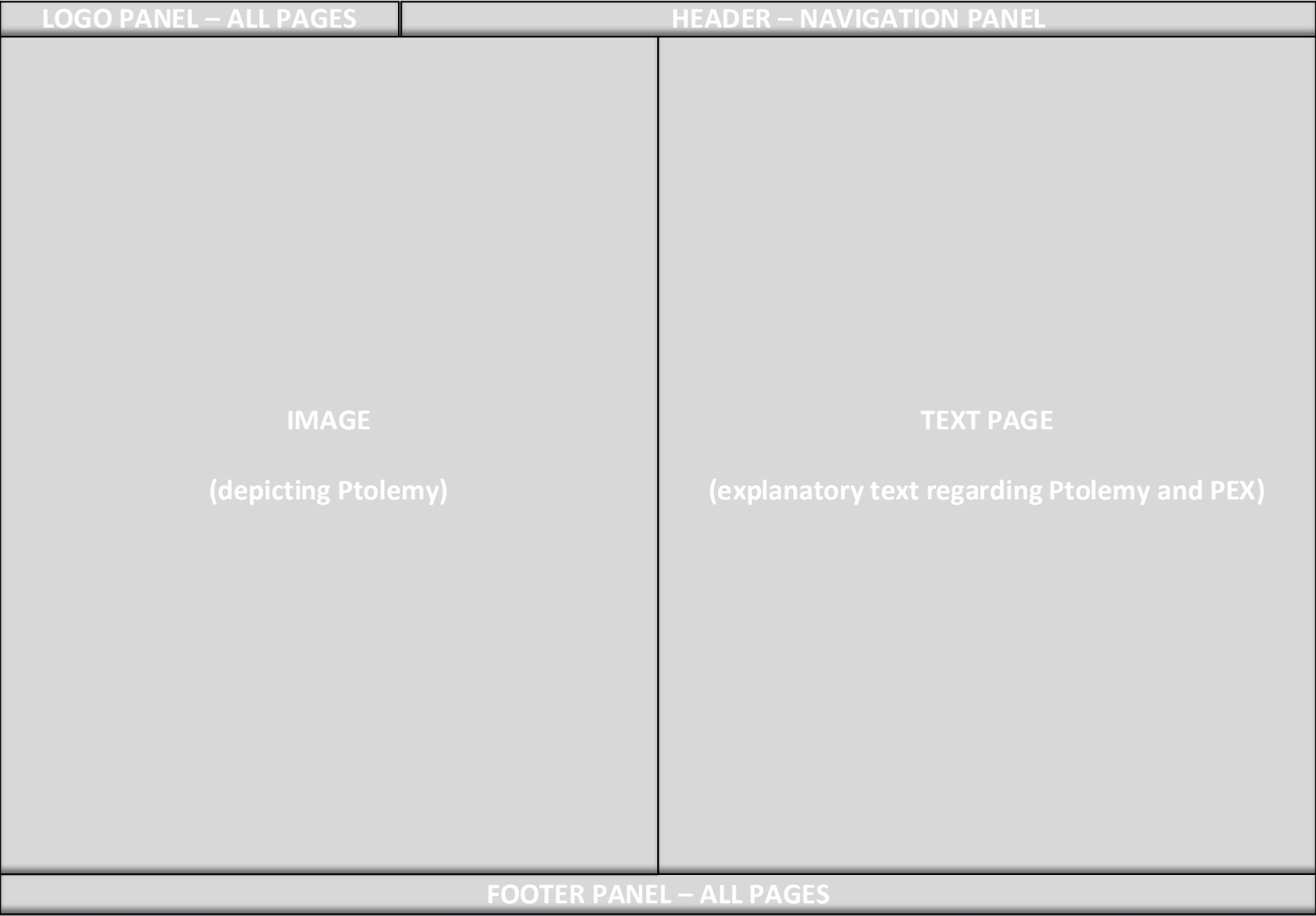
The user will also have access to the navigation bar where other parts of the website can be accessed.



ABOUT PAGE

The user is presented with an brief rendition on the contribution of Ptolemy to the discipline of astronomy.

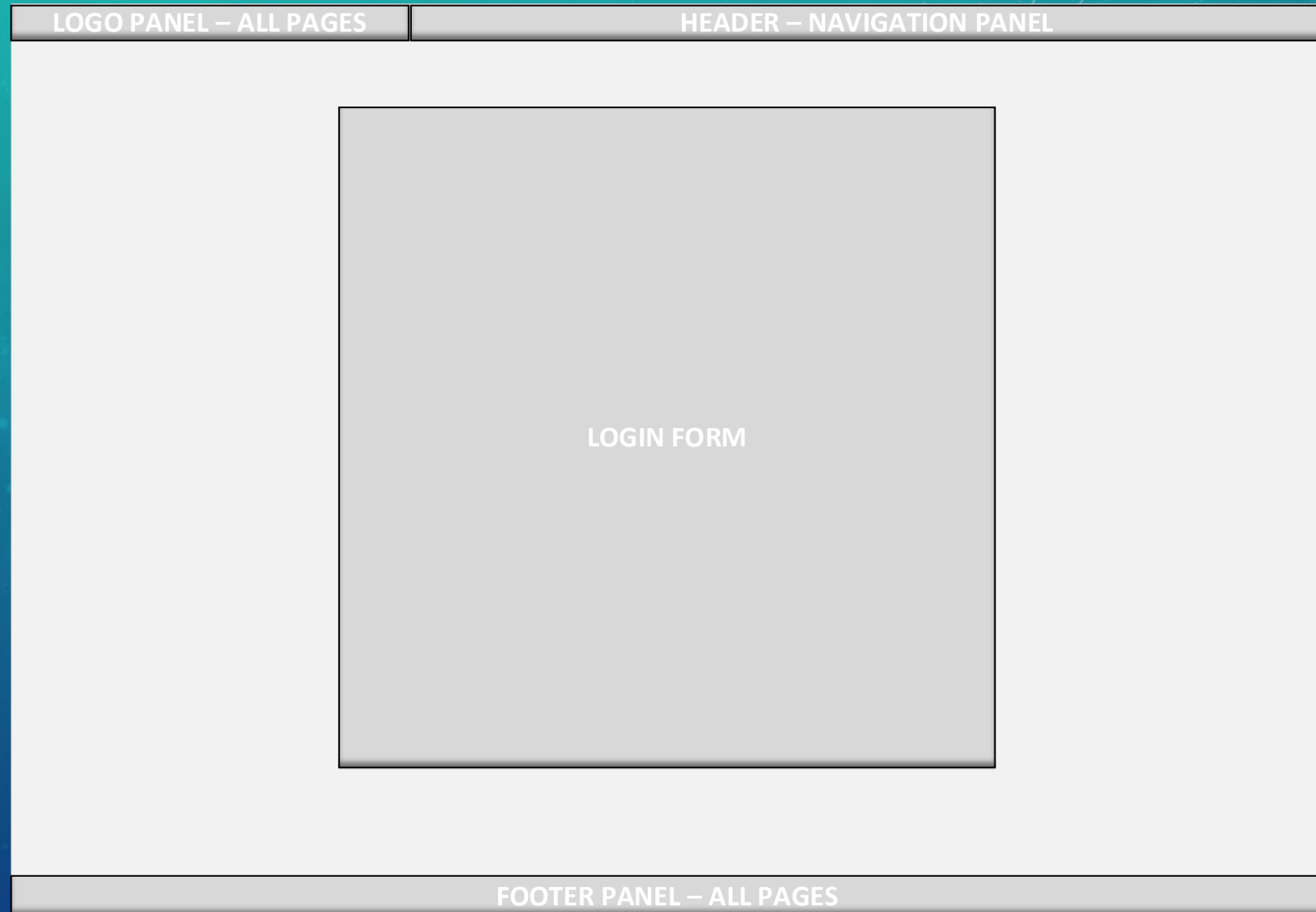
Details will also be outlined on the philosophy behind PEX and the direction it may take in future releases of the website.



LOGIN PAGE

This webpage will be very simply in it's implementation as it will save the purely utilitarian goal of allowing members (i.e. users that have registered) to login to the website.

More details bout this webpage will be given in the website mockup slides.

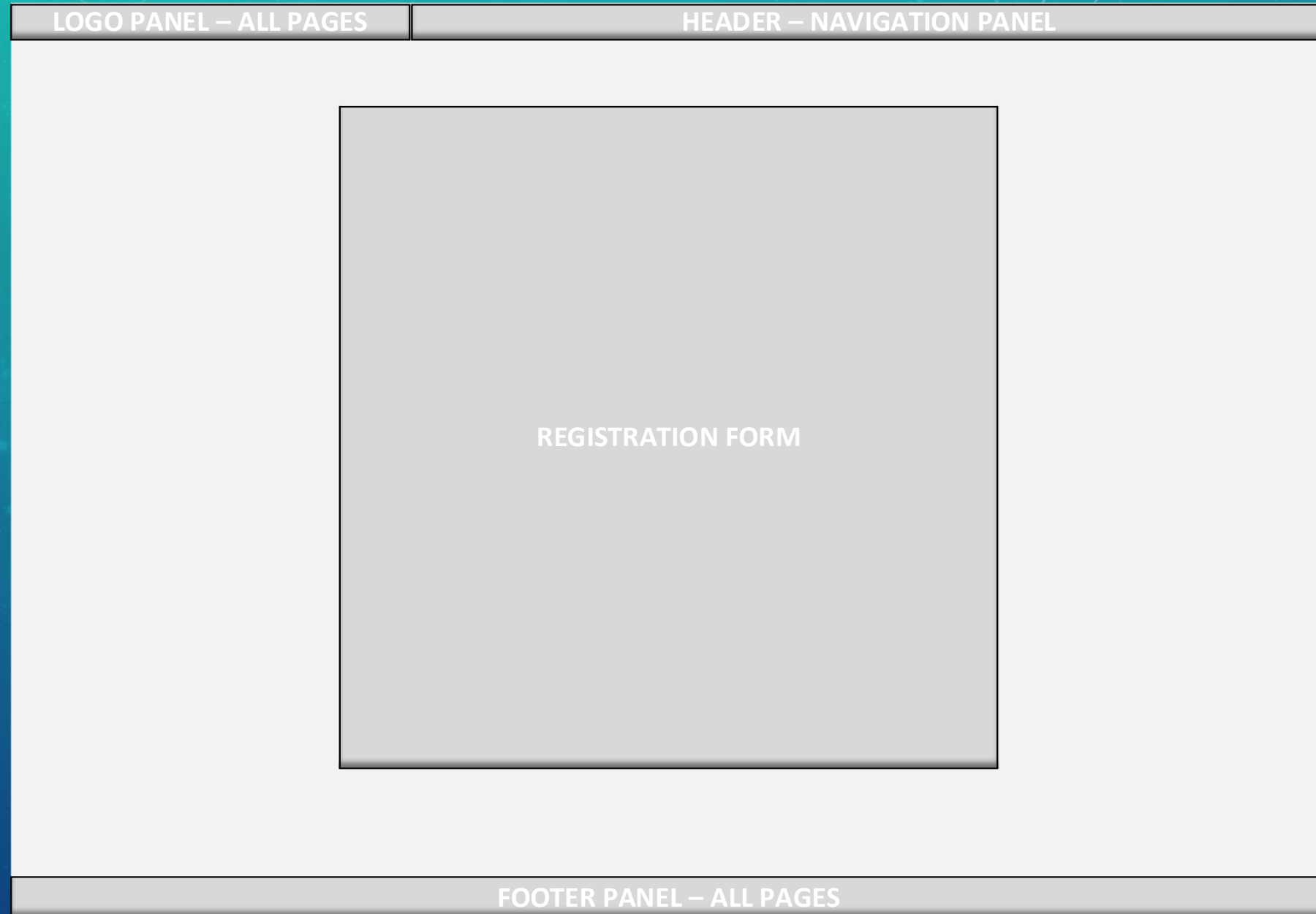


USER REGISTRATION PAGE

This webpage will be very simply in it's implementation as will save the purely utilitarian goal of allowing users to submit their personal details to become a member of the website.

Non-member users will be directed to this webpage whenever they attempt to access a facility on the website that requires the user to be logged-in.

More details bout this webpage will be given in the website mockup slides.

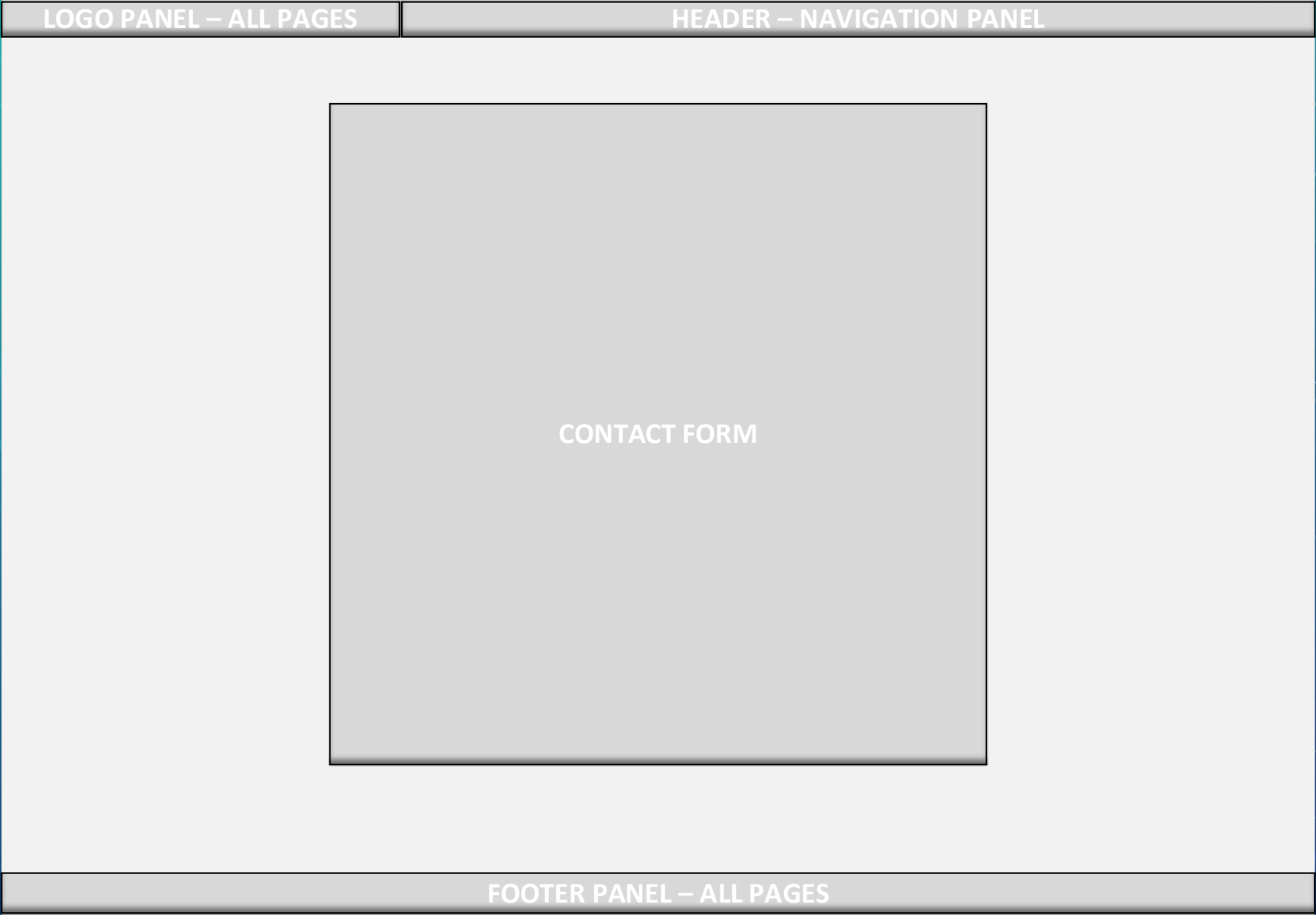


CONTACT PAGE

This webpage will allow member users to leave a message for the administrators of the website.

Member users will be directed to this webpage whenever they attempt to access a facility on the website that requires the user to be logged-in.

More details about this webpage will be given in the website mockup slides.

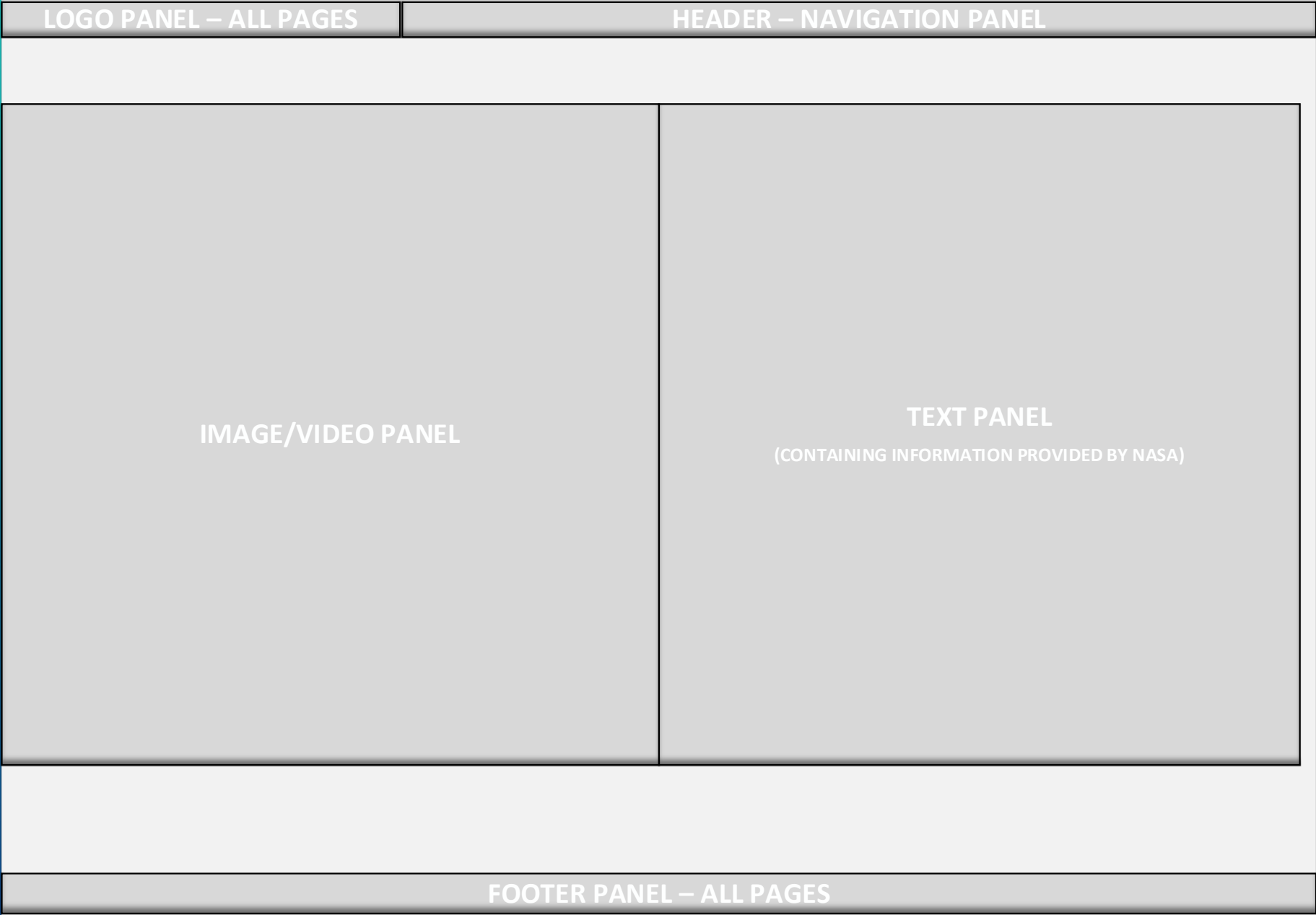


PICTURE VIEW PAGE

This webpage will display the image that the member user selected.

Any additional information provided by NASA about this image (or video) will also be displayed on this page.

More details bout this webpage will be given in the website mockup slides.



MEDIA SEARCH PAGE

This webpage will allow member users to enter values into a fixed set of available search criteria.

After a search has been submitted, any results (i.e. a collection of images and videos) will be displayed in the gallery shown below the search criteria form.

More details bout this webpage will be given in the website mockup slides.

