# Notes for Get Setter as a Part of Ass2 for COMP.7211

## Hierarchical Diagram:

## How the Design Meets Good Usability Techniques

I have achieved this by making sure that buttons throughout the application have a consistent theme (see app.xaml resource dictionary dark button and light button); similarly, the radio buttons are similarly styled but bordered strongly to ensure that which buttons belong to which group. The use between Light Buttons and Dark Buttons has also been considered where the light buttons are used for significant things such as navigation to the homepage and querying NASA’s API; whereas the dark buttons are for page functions when they are within a page’s main window and for navigation to non-homepage items when they are within the side-menu.

The use of side menus on every page is part of how I implemented Mapping. This begins with the homepage where the left 1/3 of the application (on a 13” laptop) is taken up by the navigation menu.

On other pages it is hidden in a split view-pane, but a menu button is provided, and the structure of the side menu is nearly identical to the menu shown to the user in the homepage.

This homogenous approach to controls, makes them easy to master and easy to remember once the user has learned them.

Another technique I used to meet good design standards was posed in the corporately authored book “*Color theory in Web UI Design: A practical Approach to the Principles*” where the essay asserts that in a minimalist design monochromatic color schemes can help “neutrally emphasize content and make even the simplest typefaces appear bold and dramatic” (UXPin, 2015) I have tried using different shades of blue in order to offset the white colors within the application in order to provide high contrast within the applications User Interface.

## Functions and Features Performed by the Application

* The main function of the application is to allow people to build/customize new gym routines without needing to research too heavily on what exercises they can and use. The New routines page takes care of this
* As a secondary function the application tracks the progress of these workouts and then saves their progress, so they can log improvements and do not need to worry about the administration side of logging their fitness progress.
* The application can also retrieve NASA’s Asteroid photo of the day in order to change the main page’s background. Because photos of cool asteroids before working out is always motivating!