LOCUS

**A Scuba Diving / Free Diver Spot Location App**

Locus: Latin word for “location”. A particular position or place where something occurs or is situated.

Structure of the Website / App

**Navigation Bar**

* + Logo (Redirects you to Homepage)
  + Login:
    - Includes Profile (with edit functionalities)
    - My Sites (which user has added)
      * Able to Add/Edit his own entries(**AdminMap**)
    - Favourites (Saved Sites)
    - Logout

**Homepage**

* + Search Bar in the middle where location is inputted to help direct google maps in direction of user.
  + UserMap is then called.

**UserMap**

* + Able to See Dive Sites on the map
  + Each Site has a info window that display condensed information
  + Has a more details page which redirects you to a more detailed information page on the site
  + IF user is Logged In:
* is able to comment/review other sites
* Able to report DiveSites
* Able to favourite Dive Sites

**AdminMap**

* + Split into two screens: Right side is map, left side is detail inputs.
  + Able to See all added dive sites.
  + Able to edit these sites.
  + Able to click anywhere and add new dive sites.
  + Able to add extra information to other peoples dive site.

**Profile Page**

* + Edit Profile
  + View Profile

Databases

User DB

|  |  |
| --- | --- |
| **FIELDNAME** | **EXAMPLE INPUT** |
| Username | Patoreek |
| Password | Qwerty12345 |
| FirstName | Patrick |
| LastName | Minda |
| Area | Sydney, Australia |
| Email | patoreek@hotmail.com |
| LicenseType | Advanced Open Scuba |
| Profile Picture | Profile\_pic.jpg |
| Extra Info | Etc, etc |

DiveSiteDB

|  |  |
| --- | --- |
| **FIELDNAME** | **EXAMPLE INPUT** |
| latitude | -33.45666 |
| longitude | 151.87654 |
| siteName | Bare Island |
| areaName | La Parouse |
| Description | A shore dive |
| Images | Image\_001.jpg |
| Videos | Vid\_001.mp4 |
| Depth (m) | 18 |
| Visibility (m)\* |  |
| Tide | API to give current tide/future tide |
| Weather | API to give current weather/future weather |
| siteType | Shore/Boat |
| Underwater Map | Underwater\_map\_bare\_island.jpg |
| diveShops | LaParouseDiveShop (Link to diveshop in db with email, number and address etc) |
| commonFeatures | Flora and fauna that is common |

CommentsDB

|  |  |
| --- | --- |
| **FIELDNAME** | **EXAMPLE INPUT** |
| diveSiteID | Link to specific diveSite |
| comment | “This is a comment for this site” |
| Review (0.5 – 5) Stars | 4.5 |
| userId | Link to user who made this comment |

diveShopDB

|  |  |
| --- | --- |
| **FIELDNAME** | **EXAMPLE INPUT** |
| Name | LaParouse Dive Shop |
| Address | 100 flushcombe rd |
| Email | [diveshop@dive.com](mailto:diveshop@dive.com) |
| Mobile | 0412345678 |
| linkedDiveSites | “divesite1” , ”divesite6”, ‘divesite15’, ‘divesite89’ |