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Final Project Phase 1 Questions 1 and 2

1. The major use cases for this site will include:
 - a. Logging Dives
 - i. In order to log a dive you need to choose a diver
 - ii. Provide dive information
 - iii. Creates multiple reports
 1. Dive statistics
 - a. A calendar of how many dives were done on certain days.
 - i. Can also filter by site and diver
 2. Dive statistics (again?)
 - a. Can filter by year and type of dive
 - b. Shows how many minutes were spent on dives, how many dives were done, and how many divers participated in a given year
 - i. Also shows different time increments for different dive types, depths, and training
 - b. Logging Training
 - i. Logs the type of training, instructor, participants, date completed, and whether or not the training expires.
 - c. Add User
 - i. Different users have different needs
 - ii. These users can not make log in info?
 - iii. Creates report with all users and their information
 - d. Add equipment
 - i. Add new diving equipment that divers get
 - ii. Creates a report of all the equipment signed to different divers and when it needs to be serviced.
 - e. Add Inventory
 - i. Has category, name, how much you have, when you need to order more
 - ii. Possible notification system for when the user needs to order more
 - iii. Creates report of all the inventory, the categories, and the quantity
 - f. Administration
 - i. Approve and reject divers that have applied to use the site.
 - ii. Suspend and restore current user of the site
 - iii. Give different permissions to users
 - g. Configuration
 - i. Change requirements for adding new logs
 - ii. Add / Remove / Edit
 1. Diving modes
 2. Tasks
 3. Specialized Environment

4. Specific Sites
5. Diving Locations
6. Decompression Planning
7. Breathing Gas
8. General Notifications

2. Pages / Modules

- a. /login
 - i. User authentication
- b. /home
 - i. General home page where you can signout and navigate to the rest of the site.
- c. /divelog
 - i. Log new dives
- d. /traininglog
 - i. Log new training
- e. /adduser
 - i. Add new users
- f. /addequipment
 - i. Add new equipment
- g. /addinventory
 - i. Add new inventory types
- h. /divereport
 - i. Generate a report on the given dives in the database (see logging dives report)
 - ii. Make this more detailed, so we do not need two that are essentially the same thing
- i. /admin
 - i. Only administrators can see / use this part
 - ii. Add, remove, approve, reject, suspend, and restore divers
- j. /configure
 - i. Only administrators can see / use this part
 - ii. Change requirements for logging things
- k. /users
 - i. See a list of all different users of the site
- l. /equipment
 - i. A list of all the different equipment that divers have
- m. /inventory
 - i. A list of all of the divers' inventories.