

Team members: Matthew Acs (Z23536012) and Richard Acs (Z23536011)

Project Topic: Scuba divers must log their dives to be able to verify and demonstrate their level of experience and education in order to gain better rankings and experience levels in diving agency systems. For instance, you must log 25 dives of a certain type to become an advanced diver, which allows you to diver deeper and more challenging dive sites. The topic of our project will be to develop a system that allows divers to easily keep track of their dives and interact with other aspects of the diving community. This system allows users to log their SCUBA dives and the information associated with each dive. The system will also support queries to sort through the different log entries using the information. This information includes the location, site, type of dive, gas used, bottom time, wetsuit thickness, wildlife spotted, dive buddies, if the dive was a training dive, who the instructor was if it was a training dive, the scuba charter provider, etc. Each user has a profile that allows them to log dives within the system. The system also has information regarding the different locations, charter providers, divers, instructors, and equipment manufacturers. An easy-to-use UI binds the system together to make it intuitive and functional.

Tentative team member responsibilities\*:

Matthew – Topic selection, ER diagram entity set design, ER diagram verification, ER diagram to SQL table conversion, UI design, MySQL system testing, System demonstration and presentation

Richard – Topic selection, ER diagram relationship set design, ER diagram to MySQL table conversion, UI implementation, UI verification, System demonstration and presentation

\* The responsibilities listed are fluid and will change and interleave as the system is developed