**Design Diagram Level II**

Dive master receives QR Code that can be used for signatures

Dive master fills out information on the app for signature to be produced.

All the dive logs that needed signing are signed by the diver’s choice. Information stored on the dives phone.

Diver scans with phone the QR Code

Information processed from Dive master

Info sent

QR Code publicly given

Signature generated

Database takes the information and generates QR Code information

**Description:**

Design Diagram Level Two shown above, shows a more in-depth description of each piece of the process as well as adds more information and steps to the server indicated by dark blue. The components that are included in this are the dive masters initial information entry to the app, information being received and processed by dive master, the database generating information to send back to dive master, the dive master receiving QR code generated on his phone, QR code being given publicly, regular diver scanning, and all the logs being updated. The dive master’s QR code will be generated on the phone and not from the server, the server will be processing what information given by the account information is needed and send it back to dive masters phone. The dive logs will be stored locally on the regular diver’s phone as for they can be accessed locally and do not need to reach a database incase cant get wifi on an island or area diving.