**Design Diagram III**

Dive master’s phone will generate the QR Code and present it to the dive master. It will be kept locally on phone.

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. See example of Dive card in documents.

Diver scans with phone the QR Code either from physical copy made or from dive master’s phone.

Information processed from Dive master such as name, dive card number, dive shop if work for, and any other information for account

Info sent

QR Code publicly given

Signature generated

Information needed sent back to Dive master’s phone for QR Generation

Information added to database for record purposes

**Description**

Design Diagram Level Three, as shown above is the diagram that is the most comprehensive and gives more insight into what will be in each part. The parts that were added from Design Diagram Level II are the representation that the QR Code can be scanned by the regular diver either by phone to phone or a physical copy the dive master has provided, another box in the server representing that files will be added to a database that will have them for record purposes, and more information on each section. The information from dive master will make its way to being store on the database before it will be use for QR code generation on the dive master’s phone. Also, the increase of ease to get the signature is that there can be both a physical copy the dive master can have on them or they can pull out their phone and bring the code up.