

Notes from 8/9/17 Meeting with ACME Concrete

Group 09

On Sunday, September 9th, we met with Robert Seghetti and Kevin Schneider, President and Project Manager respectively at ACME Concrete. They detailed their plans for the ECDID and CDID projects to both the computer science and the engineering teams, and introduced themselves as the project's sponsors. The client would like a system by which RFID chips are mixed into their portable on-site mixers, and then trucked to their destination, where the concrete will be laid in squares. The client would like these chips to hold a serial number, which can be used at a later time to identify the makeup and details of the batch that it belongs to. This project was created out of a desire to eliminate the current paper ticket system currently in use, as well as eliminate unnecessary man-hours from the ticket-taking position. The client wishes for the ECDID team to use a third-party database with online capability, such as as Amazon Data Services or Microsoft Azure. The virtual tickets would be read into the database and stored, so that they can be looked up easily from a desktop or mobile device. The client wishes to have a log-in interface, so that the client's clients can log in, and see their project's details. The client has no desire to upload historical tickets, and expects 1000/1500 writes a day, depending on the season. The data from these projects does not need to be stored into permanence, but rather until the project has been accepted. A working product would allow an employee with a RFID wand to find faulty concrete and easily view the virtual ticket for that batch.