# Construction Phase

## Iteration 1

12/09/15 – 17/09/15:

Once the members met for the first time, a thorough overview of the program design was collaborated on a whiteboard, producing the UML diagrams. After breaking down the design, Thomas then created the database and populated it with dummy data, and performed the necessary checks to ensure the integrity of the database.

While the database was being configured for the project, each member was assigned to write the skeleton of the components previously identified in the overview:

* Ivana: created the stubs for the VersionRecord class.
* Josh: created the stubs for the FileRecord class.
* Phil: created the stubs for the FileArchiver class.

The members went home later this day and were assigned tasks to continue on with. Members collaborated over Skype, keeping up to date with one another.

* Thomas completed the code responsible for connecting the FileArchiver class to the database.
* Phil E completed the base functionality of the FileRec and FileArchiver classes. At this stage, the backend of the program was able to handle the creation of the blob data given a file and retrieve it back to some local file system, building off of FileRec, which stores the actual data that FileArchiver passes to/from the database.
* Josh and Ivana collaborated to complete the base GUI, which on completion used the functionality produced by Thomas and Phil. The GUI was tested completely functional in terms of displaying what was in the database.
* Phil M and Nicholas collaborated to create the diagrams that were outlined during the initial meeting (where the UML diagrams were drawn up as a group). The integrity of each diagram was verified as a group post-production.