**Jan 31st:**

Group met in lab and began brainstorming. Discussed ideas and direction to take the project. Group concluded that we would eventually create an application that implements these objects as a “Pet Store” app. Divided up the work on which parts of the Design Document we would do.

Waylon – Section I

Patrick – Section 2

Garrett – Section III

Eliutt – section 4

**Feb 3rd:**

Group met to consolidate the design document parts. Discussed the overall idea behind the project as well. Design Document eventually submitted by Waylon.

**Feb 4th:**

Began discussing the idea we would take for creating the DBMS engine code. Nothing was formally decided yet, but an idea was created. Working with the idea, we began coding the implementation and divided up the work.

Patrick – create table, drop table, insert into, update, delete from, join  
Garrett – Rename & Setunion

Waylon – SetDifference & Cross Product

Eliutt- Selection & Projection

**Feb 8th:**

Conversed online with each other about the status of our progress. Decided that we would meet up on Feb 9th to work on our parts together.

Waylon – Finished SetDifference and Cross Product

**Feb 9th:**

The group met on campus and began consolidating ideas/code and helping each other with parts that needed finishing touches. Helper functions that other group members had made were implemented where necessary in each individual’s part. We were unable to finish all of the individual work, but we had a concrete idea of what needed to be done and how it could be implemented. Decided we would meet Feb 10th again to add finishing touches.

Patrick – finished create table, drop table, insert into  
Garrett – encountered issues with setunion and tried to solve these issues. Finished rename (however this version did not return a table.)

Eliutt- finished Selection & Projection functions

**Feb 10th:**

The group met to finish up individual work/assist each other/ and consolidate the work.

Patrick – finished update, delete from, join

Garrett – Finished up sections of the work. (Setunion was commented out in the submission.)\

Eliutt- Finished up Project command.

**Feb 11th:**

The group met in lab. We discussed that we should meet for a longer time/more frequently to get work done faster. The meeting time was spent on trying to plan out when we could meet and how we were going to approach the parser. We designed the parser to ultimately taken in a line of DML (as a string), conveniently split it up and put tokens in a vector, then we write the functions to interpret subsets of that vector. The subsets evaluate vectors to expressions, conditions, commands, etc.

**Feb 13th:**

The group met during lab time and finalized how to split up work for the parser. We decided:

Garrett – query, relation-name, identifier, alpha, digit, command, open-cmd, close-cmd, write-cmd

Patrick – expr, atomic-expr, selection, condition, conjunction, comparison, insert-cmd, delete-cmd, typed-attribute list, type, integer

Eliutt – op, operand, attribute-name, literal, projection, attribute-list, renaming, exit-cmd, show-cmd, create-cmd, update-cmd

Waylon – union, difference, product, natural-join

**Feb 15th:**

The group did not meet in person but we talked over groupme about our progress and if anybody needed something from another group member before they could proceed. We realized that a lot of our respective parts were very interdependent. We decided to meet on Feb 16th on campus to see if we could get more work done while together in person.

**Feb 16th:**

We met on campus and worked towards completing the parser. This meeting was continued on **Feb 17th**. We mainly spent time working on our individual parts

Eliutt – completed the rename command and created a unit test to make sure it was full functional

**Feb 18th**:

With the idea about what kind of app we wanted to make, we worked towards finishing up the parser from its incomplete state. We each worked individually to make sure the functions were being implemented properly and continued making test cases to verify the status of our implementation.

**Feb 20th:**

We continued to work on getting the parser synced with our implementations and created more test cases to verify the results. Some progress was also made on the app side of the coding. The group also decided to push for getting a GUI completed if time allowed.

Waylon – Do the Application.

Patrick – worked on test cases and different parts of the parser.

Eliutt – worked on individual parts of the parser.

Garrett – worked on individual parts of the parser.

**Feb 23rd:**

The group met up and we continued to work on finishing touches and verifying our implementations. At the end of the meeting we each had individual tasks to work on until Feb 24th and goals we strived to meet. We also started correcting the Design Document for resubmission and went through our dev log.

Waylon – finished some function implementation with the app, application almost completed

Patrick – finalized test cases and parser functions.

Eliutt- continued to work on individual parts of the parser.

Garrett – continued working on individual parts of the parser. (Updated some of the Dev Log)

**Feb 24th:**

The group met on campus to complete the whole project. This included finishing up the app code and linking it with the rest of our code, touching up the design document, and finishing up the dev log.

Waylon – Application fully finished with unit tests passing, working on getting it functional with all other person’s functions

Eliutt- The Create, Update, Exit, and show commands are all functional, worked on it getting it functional with unit test’s