# Sample Weekly Sprint

This document provides a list of things the team can aim to complete at the end of the stated weeks. Depending on the progress of the team, you should adjust your sprints accordingly.

**It is okay to not follow the sample sprints strictly**; team members’ schedule may be affected due to commitments in other modules.

## Legend

[G] General

[SP] Source Processor

[PKB] PKB

[QP] Query Parser

[QE] Query Evaluator

[T] System Testing

## Week 7

[G] Come up with a development plan for Iteration 2 and 3

[G] Fix bugs found in Iteration 1

[G] Refactor code to suit development in Iteration 2 and 3

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 7:**

1. Parsing and validation of call statements & multiple procedures
2. Population of full assign and container pattern information
3. Parsing of queries with selection of BOOLEAN, other additional synonyms such as prog\_line, call etc., new pattern clauses
4. Evaluation of queries, focusing on BOOLEAN, F/F\*/P/P\*/M/U and pattern clause correctness

## Week 8

[G] Fill up Scope, Development Plan, Testing, Coding & Documentation Standards, API Design sections in the report

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 8:**

1. Parsing and validation of call statements & multiple procedures
2. Population of C/C\*, and full M/U relationship information
3. Parsing of queries with multiple clauses and and-keyword
4. Evaluation of queries with multiple clauses, focusing on C/C\*/M/U and table merging correctness

## Week 9 [Iteration 2 report submission: Week 10 Mon]

[G] Complete Iteration 2 report

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 9:**

1. Population of N relationship and with-clause information
2. Parsing of queries with with-clauses and attributes
3. Evaluation of queries with multiple clauses, focusing on N relationship, with-clauses, synonym attributes and table merging correctness

## Week 10 [Iteration 2 report submission: Week 10 Mon, Iteration 2 demo: Week 10 Tue/Wed]

[T] Make sure system is well-tested by adding new test cases that are found missing in the demo

[SP/QP] Help out with test cases, or N\*/A/A\* generation, or optimisation

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 10:**

1. Population of N\*/A relationship in query-time
2. Parsing of queries with tuples
3. Evaluation of queries with multiple clauses, focusing on N\*/A relationship, tuple, synonym attributes and table merging correctness

## Week 11

[G] Fill up Scope, Development Plan, Testing, Coding & Documentation Standards, API Design sections in the report

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 11:**

1. Population of A\* relationship in query-time
2. Parsing of clauses to facilitate optimisation
3. Evaluation of queries with optimisation, focusing on A\* correctness and finding out which optimisation strategy works best

## Week 12

[G] Complete Iteration 3 Report Draft

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 12:**

1. Population of NB/NB\* relationship extension
2. Rearrange clauses for optimisation
3. Evaluation of queries with optimisation, focusing on base system correctness and optimisation strategies, refinement

## Week 13 [Iteration 3 code + report submission: Week 13 Fri]

[G] Conduct presentation rehearsal after code + report submission

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 13:**

1. Population of AB/AB\* relationship extension
2. Evaluation of queries with optimisation, focusing on extension correctness