# 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 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

[G] Complete Iteration 2 report

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

1. Population of N/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/N\* relationship, with-clauses, synonym attributes and table merging correctness

## Week 10

[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 A/A\* generation, or optimisation

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

1. Population of A/A\* relationship
2. Parsing of queries with tuples
3. Evaluation of queries with multiple clauses, focusing on A/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. Parsing of clauses to facilitate optimisation
2. Evaluation of queries with optimisation, focusing on base 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. Rearrange clauses for optimisation
2. Evaluation of queries with optimisation, focusing on base system correctness and optimisation strategies, refinement

## Week 13

[G] Conduct presentation rehearsal after code + report submission