# 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 2

[G] Set up tools

[G] Come up with a development plan for Iteration 1

[G] Decide on coding standards

[SP/QP] Research on parsing algorithms

[PKB/QE] Brainstorm on how to store information for their respective components

[T] Set up testing frameworks, scripts etc.

[T] Start writing system test cases (both SIMPLE source code and PQL queries) for the first feature aimed to be developed in the plan

## Week 3

[G] Decide on API documentation standards and correspondence between abstract API types with C++ classes

[SP/PKB/QE] Design PKB APIs

[QP/QE] Design Query Object class

[T] Come up with more test cases according to the features to be implemented in the plan. Test cases generation should be ahead of the schedule by one week (e.g. System test cases for features aimed to be completed in Week 4 must already be generated by end of Week 3)

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

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 3:**

1. Parsing and validation of read/print statement
2. Population of design entity information such as variable, statement number, procedure
3. Parsing of queries with no such-that/pattern clauses
4. Evaluation of queries with no such-that/pattern clauses, focusing on selection of all possible synonyms correctness

## Week 4

[G] Fill up Testing section in the report

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 4:**

1. Parsing and validation of assign statement
2. Population of F/F\* relationship information
3. Parsing of queries with one such-that clause or one pattern clause
4. Evaluation of queries with one clause, focusing on F/F\* correctness

## Week 5

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 5:**

1. Parsing and validation of while/if statements
2. Population of P/P\* relationship and pattern information
3. Parsing of queries with one such-that clause and one pattern clause
4. Evaluation of queries with one clause, focusing on P/P\*/pattern correctness

## Week 6

**Features to be implemented and well-tested with Unit/Integration/System Tests by Week 6:**

1. Population of M/U relationship information
2. Parsing of queries with one such-that clause and one pattern clause
3. Evaluation of queries with two clauses, focusing on M/U and table merging correctness

## Recess Week

[G] Complete Iteration 1 report draft