

OUTLINE

- A.1 Introduction
- A.2 Test Plan
- A.3 Test Design Specifications
- A.4 Test Case Specification
- A.5 Test Log
- A.6 Test Summary Report

A.1 INTRODUCTION

- 1.1 Background
- 1.2 Scope

A.2 TEST PLAN

- 2.1 Features and components to be tested
 - 2.1.0 Search engine
 - 2.1.1 NOML file uploader
 - 2.1.2 Molecule editor
 - 2.1.3 Molecule validator
 - 2.1.4 Chat room and discussion board
 - 2.1.5 File sharing
 - 2.1.6 Sending email agent
 - 2.1.7 Running time prediction agent
 - 2.1.8 Similar simulation finder
 - 2.1.9 Automatic restarting agent
 - 2.1.10 Manual restarting agent
 - 2.1.11 Runtime reports
 - 2.1.12 Completed reports
 - 2.1.13 Load balancing
 - 2.1.14 Core simulator
- 2.2 Features not to be tested
- 2.3 Approach
 - 2.4 Utility
 - 2.5 Reliability
 - 2.6 Robustness
 - 2.6.1 Stress testing
 - 2.6.2 Error response
- 2.7 Environmental needs

A.3 TEST DESIGN SPECIFICATIONS

- 3.1 Feature(s) to be tested
- 3.2 Approach refinement
- 3.3 Test case/procedure identification

A.4 TEST CASE SPECIFICATION

- 4.1 Test case specification identifier
- 4.2 Input specifications
- 4.3 Output expectations

4.4 Environmental needs (software and hardware)

4.5 Developer and tester information

A.5 TEST LOGS

5.1 Test log identifier

5.2 Execution Description

5.3 Activity and event entry

5.4 Procedure results pass/fail

5.6 Anomalies

A.6 TEST SUMMARY REPORT

6.1 Test summary report identifier

6.2 Summary of results

6.3 Evaluation

6.4 Approvals