

MCMaster UNIVERSITY

CAS 4ZP6

TEAM 9

CAPSTONE PROJECT 2013/2014

PORTER SIMULATION

Design Revision 0

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CONTENTS

1	Revision History	3
2	Executive Summary	3
2.1	Introduction	3
2.2	Purpose	3
2.3	Design Overview	3
3	Implementation Material	3
3.1	Language of Implementation	3
3.2	Supporting Technology and Frameworks	3
3.3	Process Diagram	4
4	Dependency Diagram	5
5	Decomposition Description	6
5.1	Core - Simulation Core	6
5.2	Core - Simulation State	6
5.3	Core - Task	7
5.4	Core - Event List Builder	7
5.5	Core - Porter	7
5.6	Core - Dispatcher	8
5.7	Import - Simulation Setting	8
5.8	Import - Hospital Layout Graph	9
5.9	Import - Statistical Data Import	9
5.10	Export - Statistical Data Export	9
5.11	Logging	10
6	Anticipated Changes	10

1 REVISION HISTORY

Revision #	Author	Date	Comment
1	Vitaliy Kondratiev, Nathan Johrendt, Tyler Lyn, Mark Gammie	January 11, 2014	Revision 0 Added to repository

2 EXECUTIVE SUMMARY

2.1 INTRODUCTION

2.2 PURPOSE

2.3 DESIGN OVERVIEW

3 IMPLEMENTATION MATERIAL

3.1 LANGUAGE OF IMPLEMENTATION

3.2 SUPPORTING TECHNOLOGY AND FRAMEWORKS

3.3 PROCESS DIAGRAM

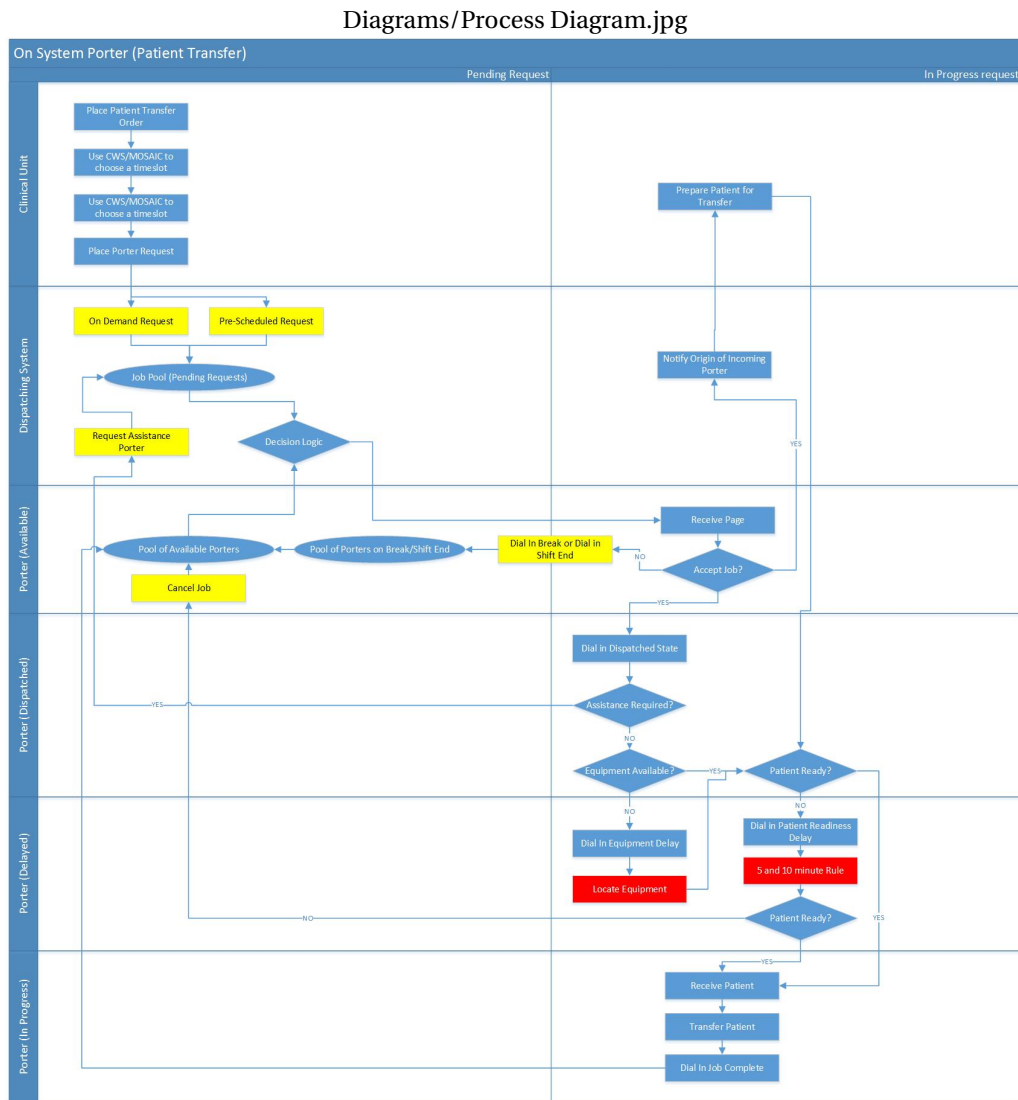


Figure 3.1: Process Diagram

4 DEPENDENCY DIAGRAM

Diagrams/Dependency Diagram.png

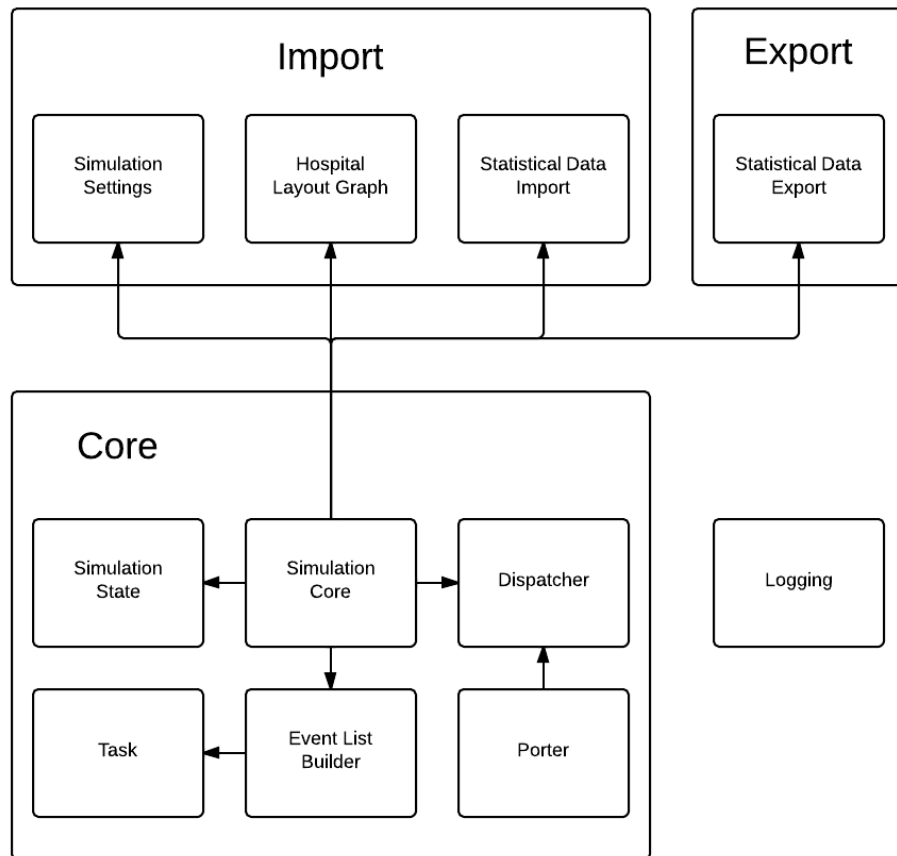


Figure 4.1: Dependency Diagram

5 DECOMPOSITION DESCRIPTION

5.1 CORE - SIMULATION CORE

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.2 CORE - SIMULATION STATE

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.3 CORE - TASK

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.4 CORE - EVENT LIST BUILDER

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.5 CORE - PORTER

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.6 CORE - DISPATCHER

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.7 IMPORT - SIMULATION SETTING

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.8 IMPORT - HOSPITAL LAYOUT GRAPH

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.9 IMPORT - STATISTICAL DATA IMPORT

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.10 EXPORT - STATISTICAL DATA EXPORT

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

5.11 LOGGING

Type: Module

Purpose:

Function:

Interface:

Process Steps:

Data:

Error Handling:

Requirement Reference:

Critical Revision 0 Component: True

6 ANTICIPATED CHANGES

1 Change 1