

COMPUTATIONAL CLUSTER

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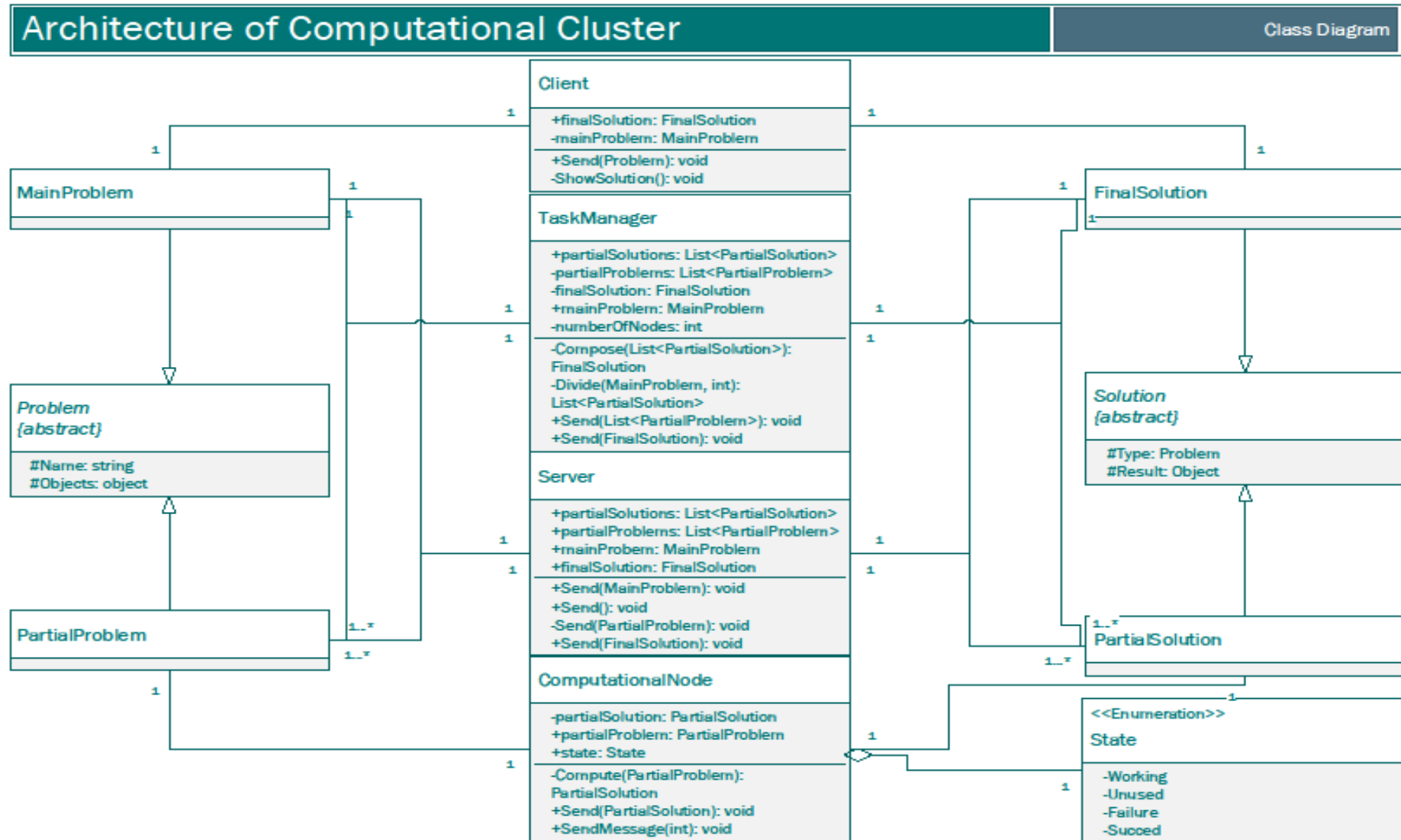
Introduction

Description

Remark: all modules could be terminated due to lack of electricity, imbecility of users or unhandled exceptions, but all of this cases are not destroying for computations. Modules provides system of making a logs and restoring lost or crashed part of computation and resume solving the problem.

Architecture

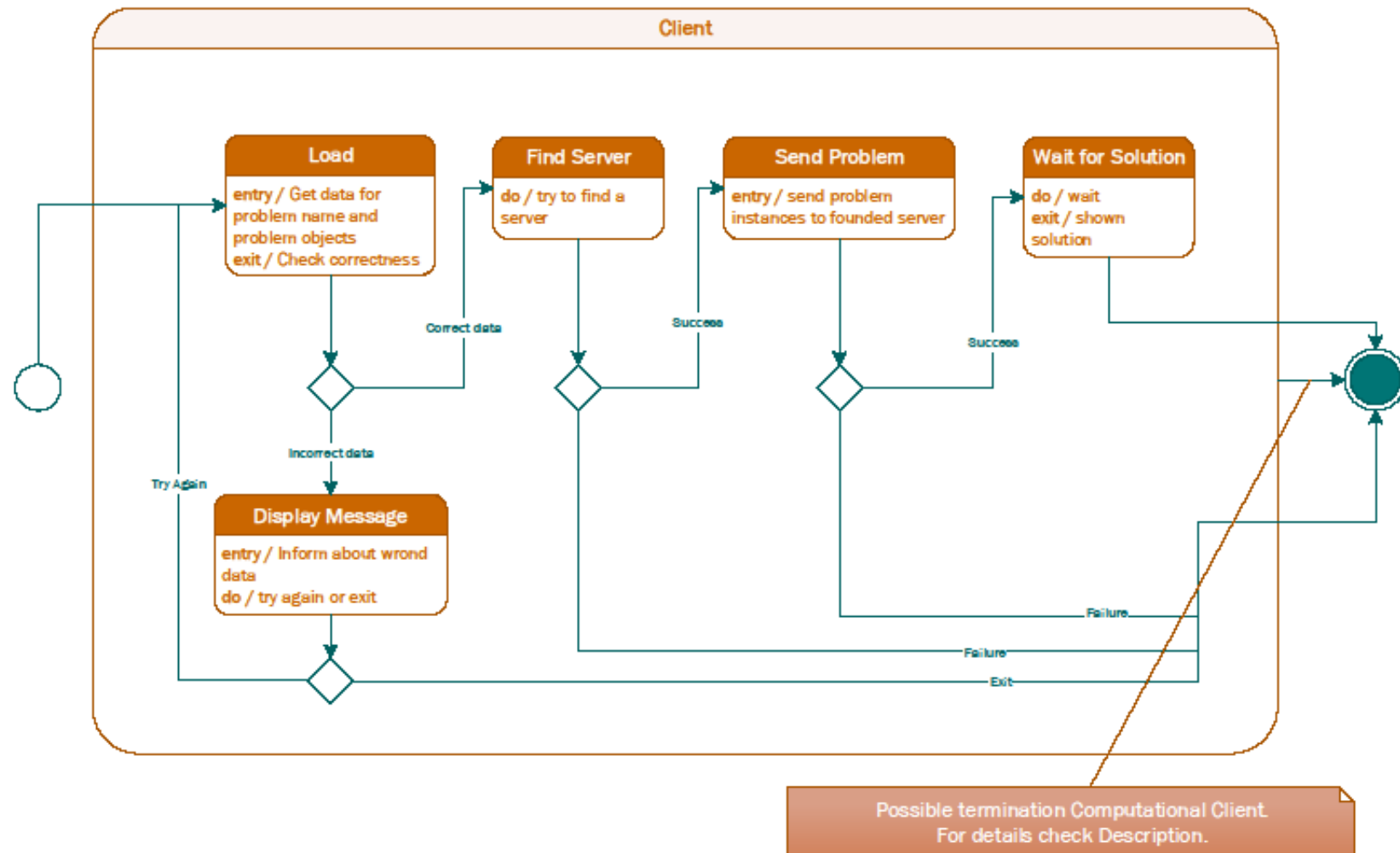
Class diagrams

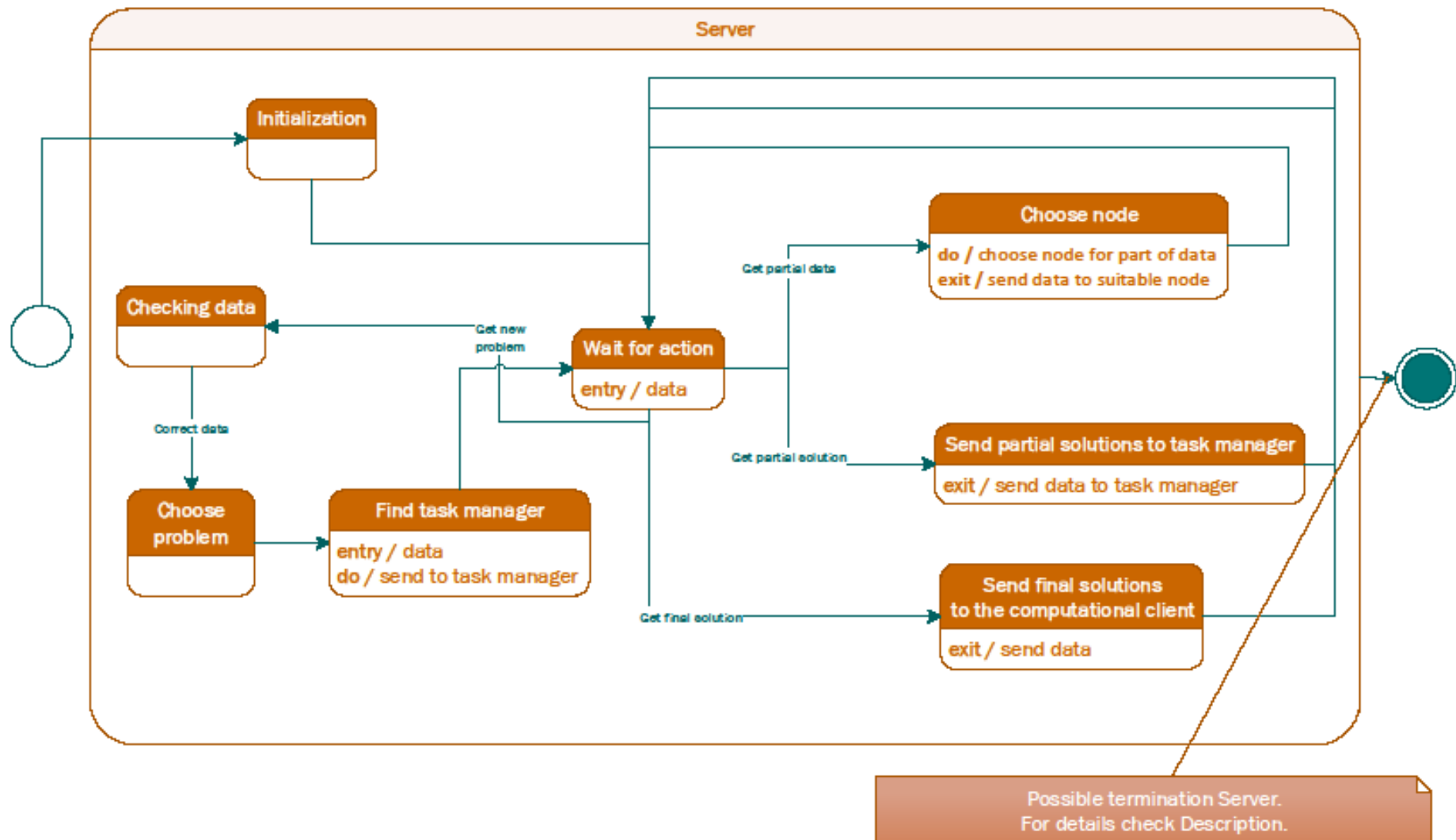


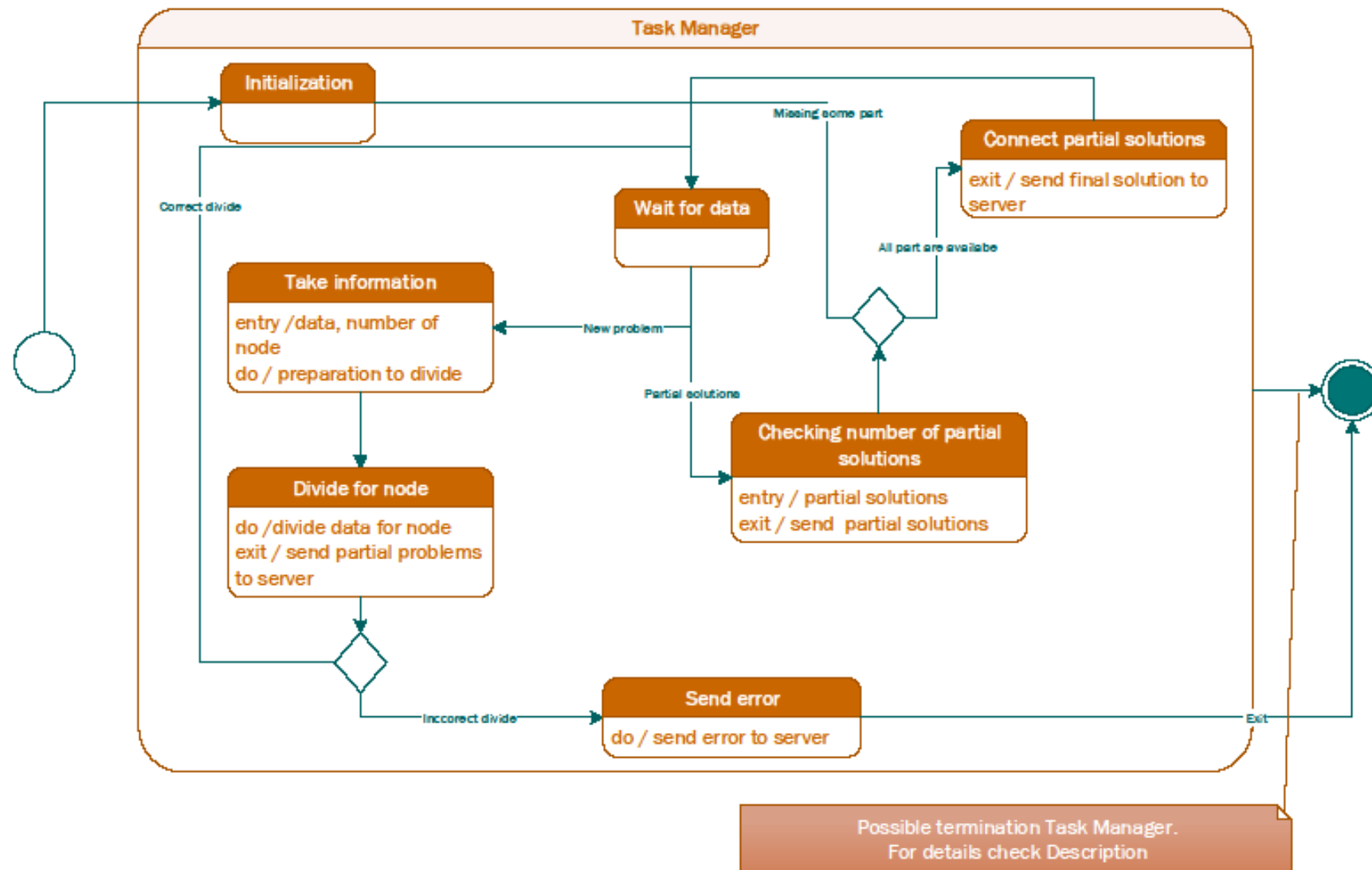
State diagrams

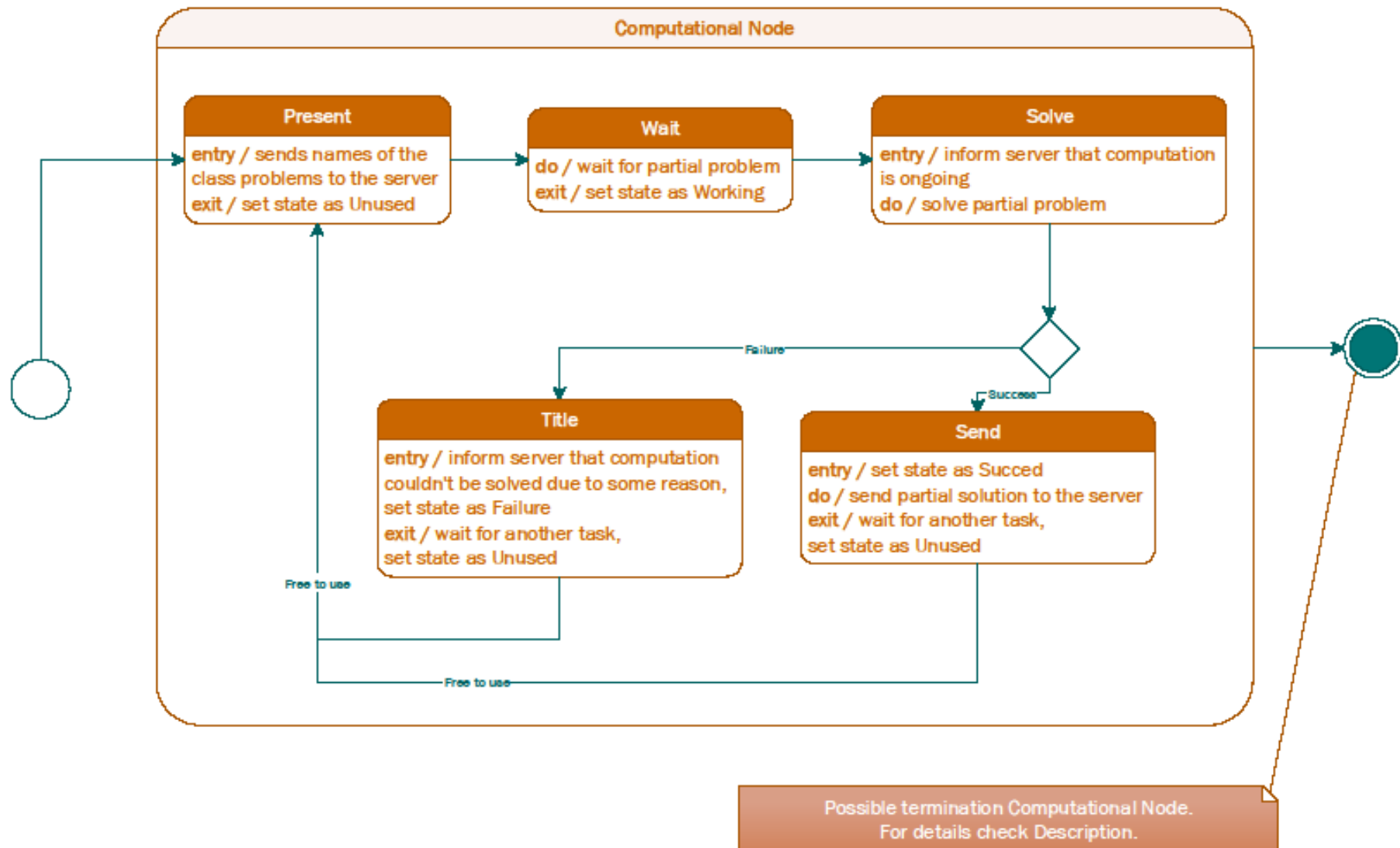
Client

State Diagrams

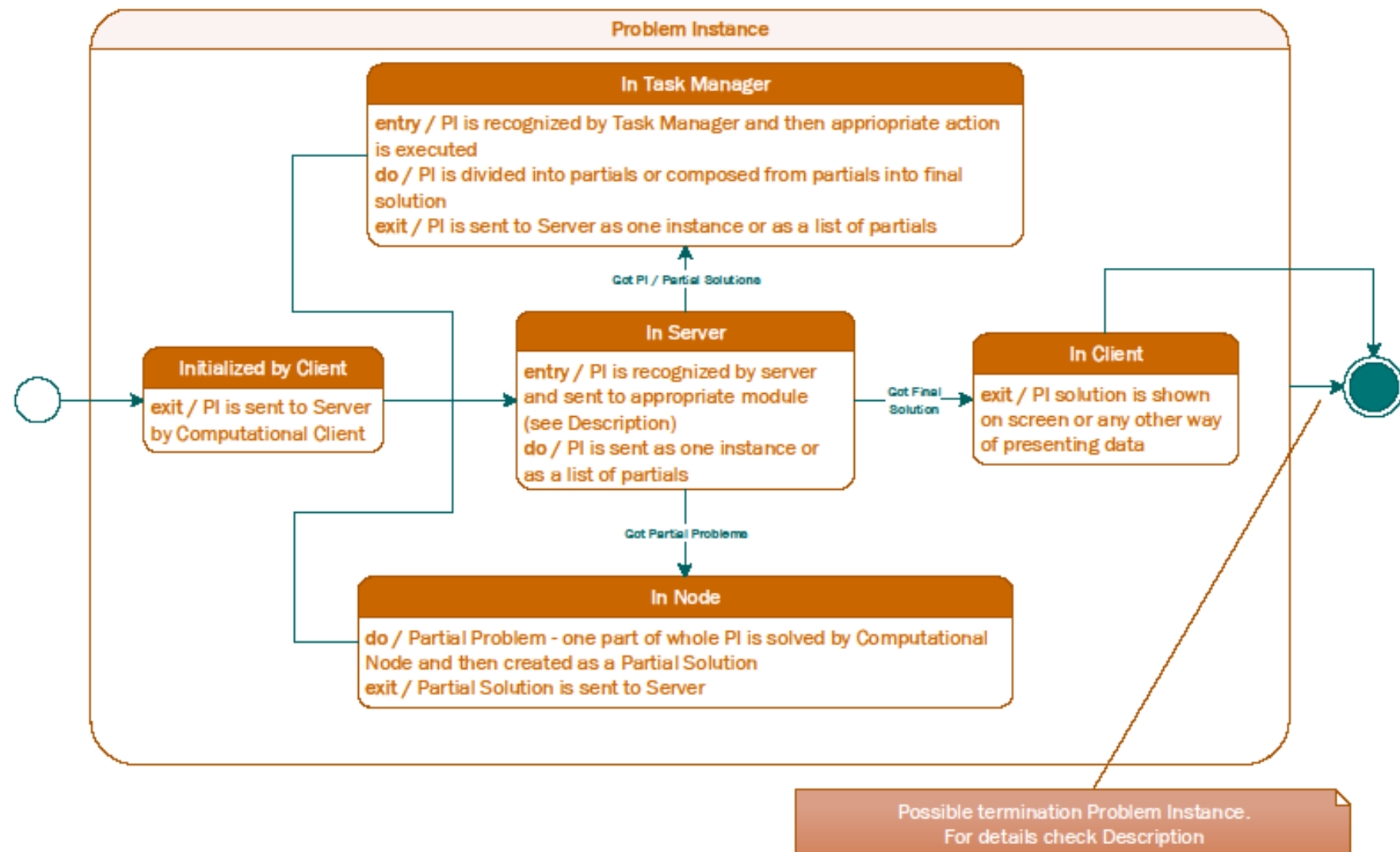








PI = Problem Instance



Event flow diagrams

Activity diagrams

Sequence diagrams

Communication protocol desing

Input data format specification

Special system states description

Example class problem