**HD in Computer Systems Administration (IT124106)**

**Contemporary Topics in CSA (ITP4605)**

**Assignment Report**

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Content

[Assumptions regarding the problem context 3](#_Toc435910421)

[Application design with class diagram 4](#_Toc435910422)

[Design patterns applied 5](#_Toc435910423)

[User Guide 6](#_Toc435910424)

[Test Plan and Test Cases 7](#_Toc435910425)

[Well documented Source Code 8](#_Toc435910426)

# Assumptions regarding the problem context

# Application design with class diagram

# Design patterns applied

Adapter pattern

Factory Pattern

Command pattern

# User Guide

When you enter the system, just type the following character to do maintain the member action:

|  |  |
| --- | --- |
| **To** | **Press** |
| Create membership | **c** |
| Show membership details | **s** |
| Update address | **a** |
| Extend membership | **e** |
| undo | **u** |
| redo | **r** |
| list undo/redo | **l** |
| Exit system | **x** |

**The above commands are case insensitive.**

# Test Plan and Test Cases

# Well documented Source Code