

SUNSHINE RESORT PROJECT

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Course: AP in Computer Science – First Year Project

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Contents

1. [I. SOFTWARE DESIGN 3](#_Toc401757915)

[1. Phase Plan 3](#_Toc401757916)

[2. The Use Cases 3](#_Toc401757917)

[2.1. Use Case Diagram 3](#_Toc401757918)

[2.2. Fully-dressed Use Cases 3](#_Toc401757919)

[2.3. Other use cases 3](#_Toc401757920)

[3. Supplementary Specification 3](#_Toc401757921)

[4. The Domain Model 3](#_Toc401757922)

[5. The System Sequence Diagrams 3](#_Toc401757923)

[6. The Sequence Diagrams 3](#_Toc401757924)

[7. The Design Class Diagram 3](#_Toc401757925)

[8. GRASP Responsibilities 3](#_Toc401757926)

1. [II. SOFTWARE CONSTRUCTION 4](#_Toc401757927)

[1. The Class Diagram 4](#_Toc401757928)

[2. The Database 4](#_Toc401757929)

[3. The scope 4](#_Toc401757930)

[4. Description 4](#_Toc401757931)

[5. A review of the application 4](#_Toc401757932)

[6. Code focus 4](#_Toc401757933)

[7. The User Interface 4](#_Toc401757934)

[8. Application manual 4](#_Toc401757935)

[9. The correlation between construction and design 4](#_Toc401757936)

[10. The source code 4](#_Toc401757937)

1. [III. IT ORGANIZATION 4](#_Toc401757938)

[1. The Company 4](#_Toc401757939)

[1.1. About Sunshine Resort 4](#_Toc401757940)

[1.2. Organization structure 5](#_Toc401757941)

[1.3. SWOT analysis 5](#_Toc401757942)

[1.4. Stakeholder analysis 5](#_Toc401757943)

[2. Feasibility study 5](#_Toc401757944)

1. [IV. OPERATING SYSTEM 5](#_Toc401757945)

[1. Login security 5](#_Toc401757946)

[2. Against external threats 5](#_Toc401757947)

[3. More security 5](#_Toc401757948)

[4. Even more security 5](#_Toc401757949)

1. [BIBLIOGRAPHY 5](#_Toc401757950)

# SOFTWARE DESIGN

## Phase Plan

// Make a simple Phase Plan before you start, describing expected activities. Use UP terminology of Inception-Elaboration-Construction and attempt to identify iterations.

## The Use Cases

// at least 6 use cases, 3 fully dresses

### Use Case Diagram

### Fully-dressed Use Cases

#### Add Cottage

By: Martin Nielsen

#### Reserve Cottage

By: Ai Le

#### Display Cottage

By: Ørn Atlason

### Other use cases

By: Christoffer Nielsen

## Supplementary Specification

// List of non-functional requirements

## The Domain Model

## The System Sequence Diagrams

// should include 2 SSD

## The Sequence Diagrams

// should include 1 SD taken from one of the SSD above

## The Design Class Diagram

// based on the Domain Model and SD. This is a first shot and need not be completed. Might include some observations about the process of making the DCD

## GRASP Responsibilities

// mention at least 3 GRASP

# SOFTWARE CONSTRUCTION

## The Class Diagram

// A class diagram, including states/fields and methods.

## The Database

// A diagram of your database tables, (tip: show the design phases of the different NF)

## The scope

// The scope of the SWC part of the project

## Description

// A thorough description of the construction of the application and a substantiated explanation of the choices you have made.

## A review of the application

// A careful description of what is working in the application and what is not, and why.

## Code focus

// A thorough description of a selected (exciting) snipped of code.

## The User Interface

// A description of how your GUI is constructed.

## Application manual

// A thorough manual for your application/GUI.

## The correlation between construction and design

// Correlation between software Design and software construction must be evident.

## The source code

// What should we put here?

# IT ORGANIZATION

## The Company

### About Sunshine Resort

// A description of the company

### Organization structure

### SWOT analysis

### Stakeholder analysis

## Feasibility study

// Some really boring stuff here

# OPERATING SYSTEM

## Login security

// Safety around login

## Against external threats

// actions against the threats from outside, f.ex. to the safety of your data

## More security

// explain what can be done in daily work to insure more security around your program

## Even more security

// explain which actions should be taken during the construction of your program to ensure high security, e.g. industrial espionage.

# BIBLIOGRAPHY

// List of sources used to complete the project