# IT 140 Design Document Template

## Instructions

Fill out the sections below. Be sure to remove the bracketed text before submitting your Design Document.

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## Storyboard (Description and Map)

The evil hungry king is going to behead you unless you bring him a cake. You will have to get a key from the bedroom to unlock the pantry and get the flour. You will have to get a key for the cupboard out of the courtyard to get sugar from it. You will have to go to the pasture and get milk from the cow. You will have to go to the chicken coop for eggs. Once you have all the ingredients you will have to bake it and finally give it to the king.

ne

Bedroom

Key for Pantry

Cupboard

Sugar

Need cupboard Key to move in

Kitchen

Oven

Need Flour, Sugar, Eggs, and Milk to bake cake

Chicken Coop

Eggs

The Kings

Dining Room

Need Cake to not lose your head

Pantry

Flour

Need pantry key to move in

Start

Courtyard

Key for Cupboard

Pasture

Milk

east east

west west

north south south north south

east

west

north south north north south

east east

west west

4. Pseudocode for moving between rooms.

Define start room function

Input for direction

If direction is west

Call function for courtyard

Else if direction is south

Call function for chicken coop

Else

Print not valid direction

Input for direction