# 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)

You have entered in a dessert baking competition! You have your grandmother’s secret Tres Leches recipe that is guaranteed to win. You will need flour from the terrace, the secret ingredient from the host stand, a baking pan from the expo station, chantilly icing from the kitchen, and eggs from the walk in cooler. You must collect all of the ingredients before facing off the toughest judge, Gordon Ramsay, in the walk in freezer. Beware, if you fail to collect all of the ingredients, you will face Gordon Ramsay’s wrath, which is guaranteed to shatter any young chef’s confidence.

Expo Station:

Baking Pan

East

West

East

North

South

West

Kitchen:

Chantilly Icing

Terrace:

Flour

North

South

Host Stand:

Secret Ingredient

Walk-in Cooler:

Eggs

South

North

Dining Room

Walk-in Freezer:

Gordon Ramsay!

West

East

South

North

## Pseudocode or Flowchart for Code to “Move Between Rooms”

PRINT You are in current\_room!

WHILE in current\_room:

INPUT from user which direction to move

IF direction is true:

IF new\_room == walk\_in\_freezer:

IF inventory is full:

PRINT winning line

ELSE:

PRINT losing line

ELSE:

current\_room = new\_room

PRINT “You are in current\_room!”

CONTINUE

ELSE:

PRINT “You cannot go in that direction”

CONTINUE

## Pseudocode or Flowchart for Code to “Get an Item”

WHILE in current\_room:

INPUT from user item to collect, save as input\_item

IF item in current\_room == input\_item:

ADD item to inventory

PRINT “Item retrieved!”

CONTINUE

ELSE:

PRINT “Invalid input”

CONTINUE