Functional Decomposition-[Project Name}

# Delete all blue text before final submission.

# File name: Functional Decomposition-Project Name

# Location: Phase 3 Box Folder

# Description:

Functional decomposition is used to identify the sub-components of a project by identifying the what does something need to do. The why, should have been addressed in earlier phases, and the how will be addressed in future tasks. After listing the sub-components of your project, you are able to begin designing each sub-component separately and in parallel to each other. You also can begin to explore and identify the best way to perform the necessary function of the sub-component.

# Instructions:

1. Create a graphical functional decomposition of your project
2. Describe the sub-components. Remember, describe what the sub-component does not how it does it.
3. Write abstract for functional decomposition (first section)

# Abstract:

Write one sentence for each section:

1. Describe the purpose of the activity.
2. Describe what steps you took to perform the activity.
3. What were the results?
4. How will the results help the project?

# Graphic:

Create in MS Visio

# Sub Components:

List and describe sub components

# Example: Coffee Maker

# Abstract:

# Example:

The coffee maker needs to perform the following functions: hold hot water, store coffee (grinds), brew coffee, and keep the coffee warm after brewing. Identifying these sub-components will allow our team to design each sub-component independently and in parallel. We will explore and identify the best way to perform the necessary function of the sub-component in future activities.



# Sub Components

* The figure above identifies the functional decomposition for the coffee maker and its sub-components.
* The coffee maker has to hold water. This water will be used to brew the coffee.
* The coffee maker has to hold coffee, or “grinds”. These grinds will be used to brew coffee.
* The coffee maker has to brew coffee. The coffee grinds and the hot water combine to brew the coffee.
* The coffee maker has to keep coffee warm after brewing.