

UNIVERSITEIT VAN PRETORIA  
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## **COS 301 Main Project**

### **Requirements and Design Specifications**

#### **ThinkTech**

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#### **Git repository link:**

<https://github.com/COS301-ThinkTech>

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# 1 Vision and scope

## 1.1 Project background

## 1.2 Project vision

## 1.3 Project scope

## **2 Use case prioritization**

### **2.1 Critical**

- createNewFlowchart

### **2.2 Important**

- addFlowchartComponent
- editFlowchartComponent
- saveFlowchart

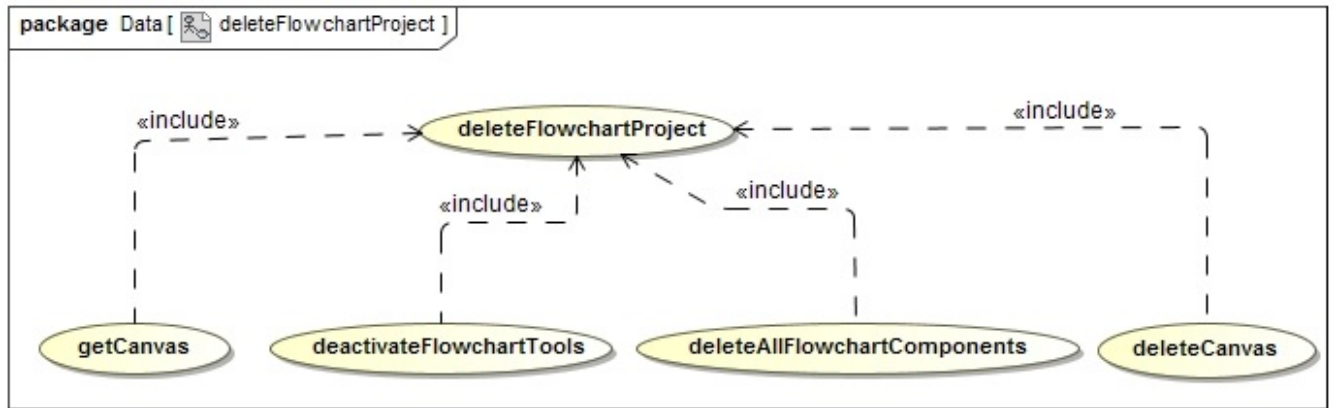
### **2.3 Nice-To-Have**

### 3 Use cases

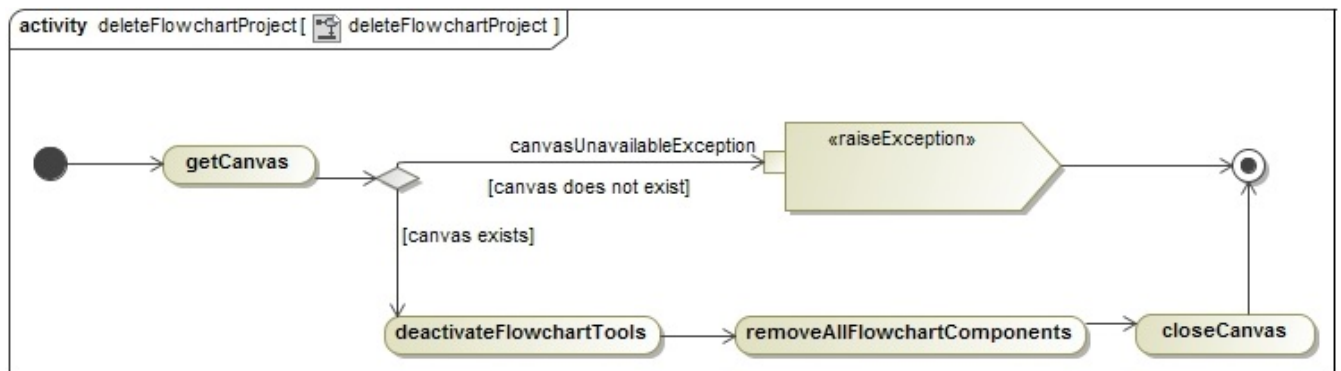
#### 3.1 deleteFlowchartProject

The deleteFlowchartProject use case serves the purpose of removing a flowchart project.

##### 3.1.1 Use case diagram



##### 3.1.2 Activity diagram



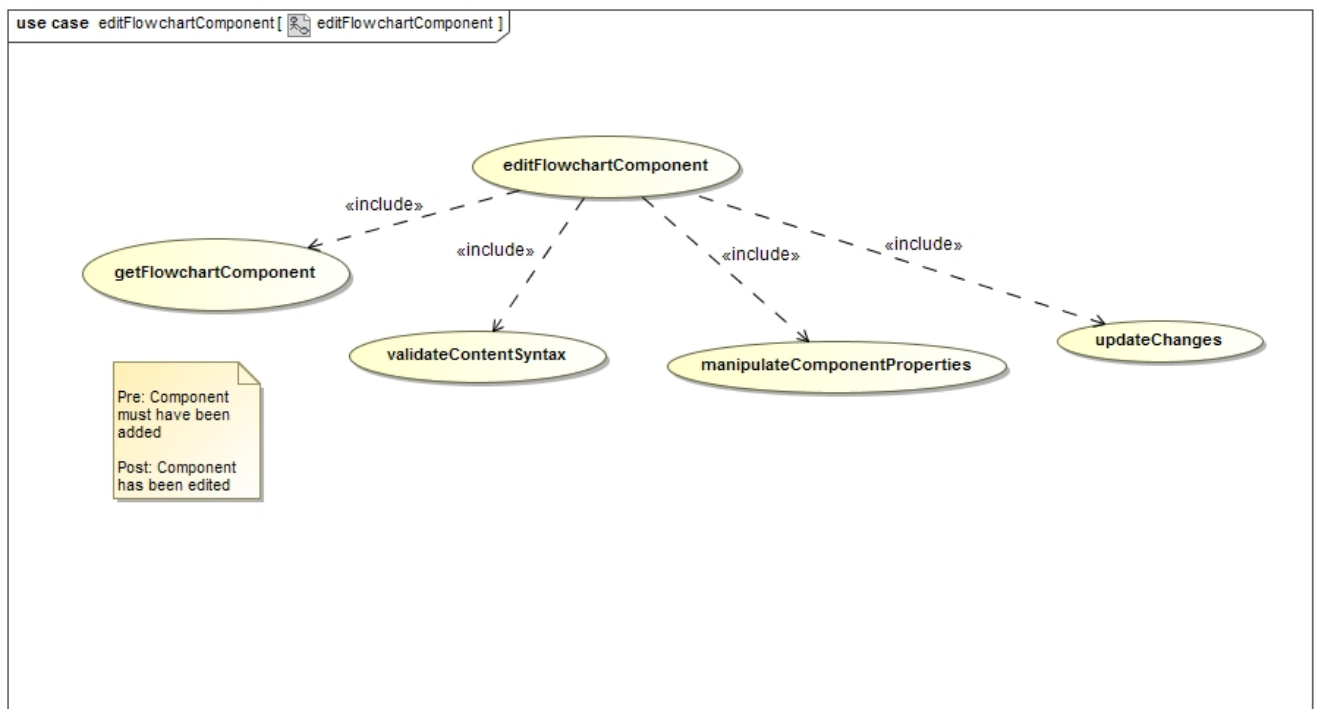
#### 3.2 editFlowchartComponent

The editFlowchartComponent use case provides functionality for the user to edit each component of the flowchart on a canvas.

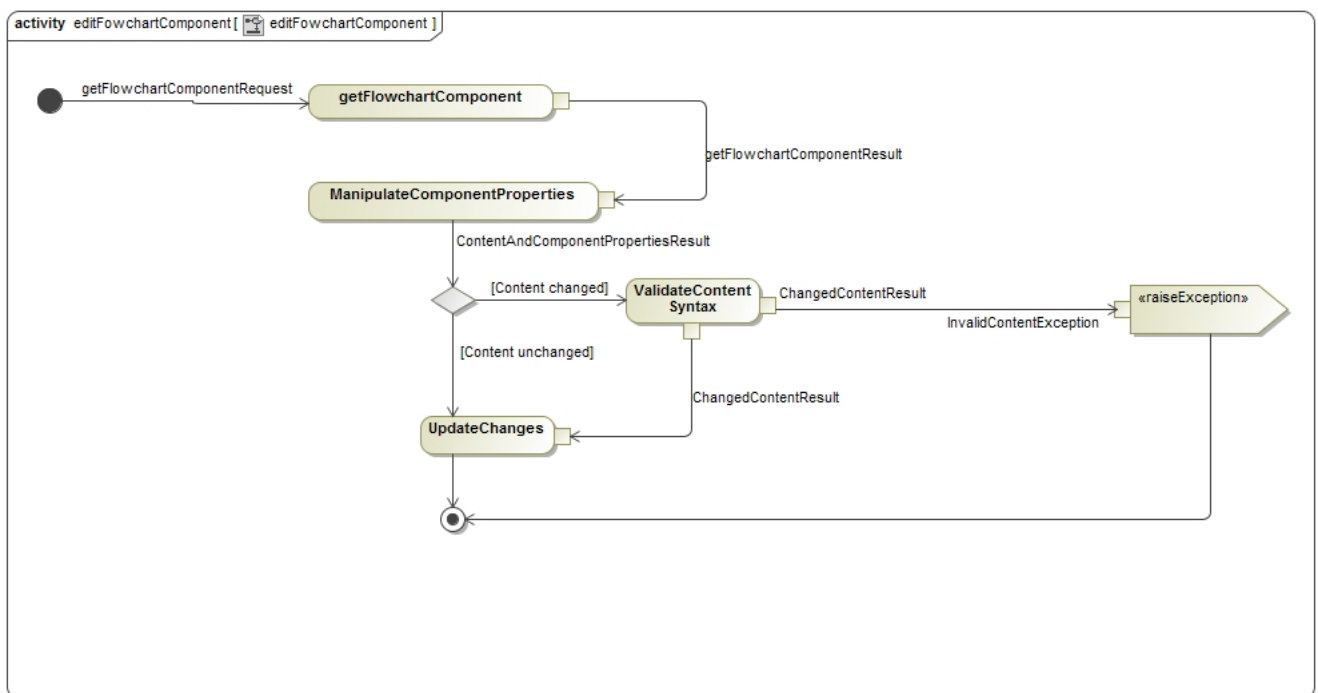
**Pre Condition:** Component must have been added

**Post Condition:** Component has been edited

### 3.2.1 Use case diagram



### 3.2.2 Activity diagram



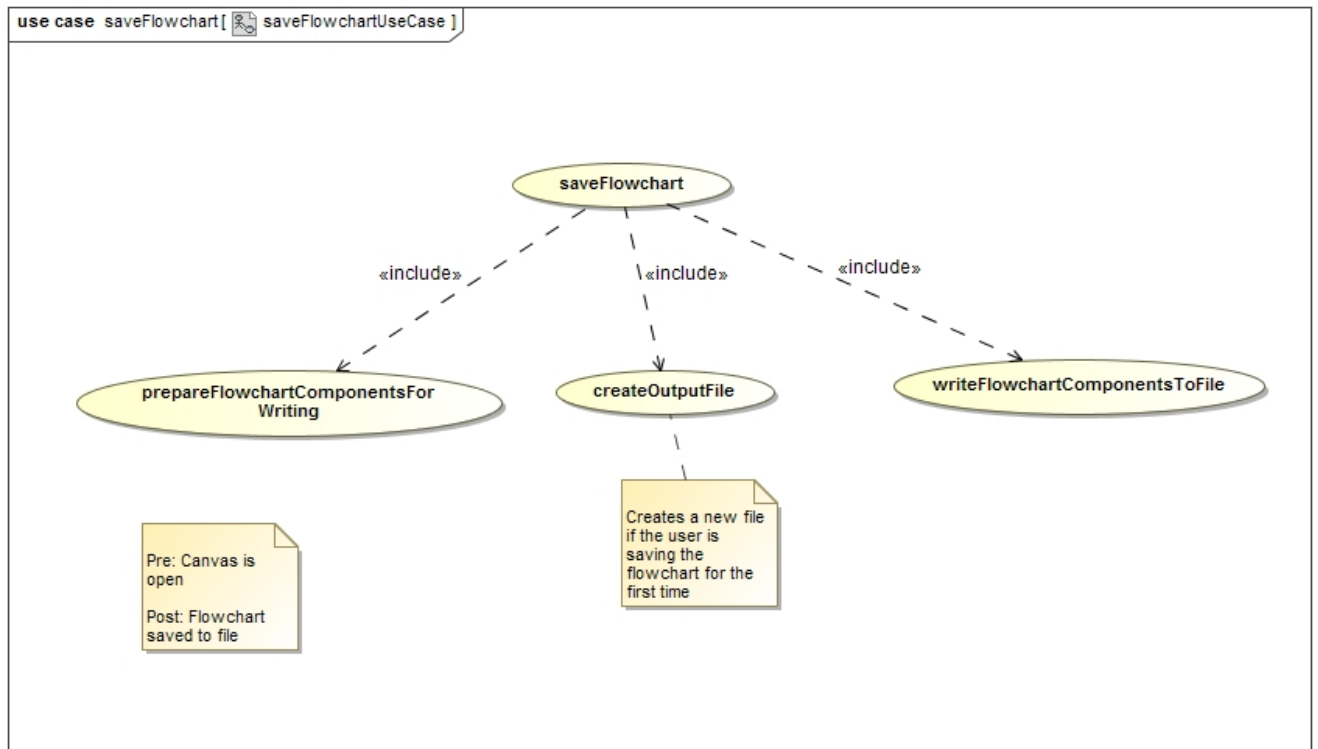
### 3.3 saveFlowchart

The `saveFlowchart` use case provides functionality for the user to save a flowchart.

**Pre Condition:** Canvas is open

**Post Condition:** Flowchart has been saved to file

### 3.3.1 Use case diagram



### 3.3.2 Activity diagram

