```
CRC Cards
Model
Responsibilities
   Encapsulates
        3D Image file (. nord, . nifti)
            3D Image. units
        Image Processing class
            Image Processing. 20 Slice
        circumference
    Handles
        Do edge detection and circumference
            calculation on aDSlice
       Compute correct conversion factor
           for pixels to un, mm, etc.
    Forwards
        3D I mage file to Image Processing
```

Collaborators Controller Image Processing

Image Prassing
Responsibilities

Encapsulates

3D Image

2D Slice

Handles

3D rotations on 3D Image

Converts 3D Rotated Image to 2D slice

using global settings

Collaborators Model

	1
Controller	
Responsibilities	Collaborators
Encapsulates	Model
Model	View
View	
Handles	
Call Model methods in response	
to user inputs from View	
Forwards	
Model's Image Proussing. 2DSlice	
to View	
View	
Responsibilities	Collaborators
Encapsulates	Controller
Image Visualization class	Image Visualization
20s live	,
circumference	
Handles	
Render GUI, including aDSlice and	
circumference	
Forwards	
User input events to Controller	

Collaborators View

Image Visualization			
Responsibilities			
Encapsulates			
adsice			
Handles			
Manipulates	20slice	For po	rettier
presenta	tion in	View	