

## Assignment 2

Team members: Tian Lian, Ying Zhang, Cencen Zheng, Zicheng Wan

Developer (Tian Lian)

Scenario Refinement for Scenario N 1		
Scenario(s):		Project manager ask developer to add a new feature that patients can transfer data of pacemaker to the server to store via WIFI.
Business Goals:		feature-rich product
Relevant Quality Attributes:		Modifiability
Scenario Components	Stimulus:	Project manager ask developer to add a new feature.
	Stimulus Source:	A required new feature, such as transferring data via WIFI.
	Environment:	When it is designed to add the new feature.
	Artifact (If Known):	
	Response:	Add the new feature components into the system then test it and deploy it.
	Response Measure:	Measure the influence on other components and the cost it will take.
Questions:		How much the new feature will cost?
Issues:		May need to train installers to prevent malfunctions and avoid potential legal issues.

Scenario Refinement for Scenario N 3		
Scenario(s):		When patient's heart rate changes suddenly, developer has to make sure that the pacemaker will change the pulse rate relatively in less than one millisecond.
Business Goals:		safest system; feature-rich product
Relevant Quality Attributes:		safety, performance
Scenario Components	Stimulus:	patient's heart rate changes suddenly
	Stimulus Source:	heart rate
	Environment:	Pacemaker in patient's heart, and heart rate changes.
	Artifact (If Known):	Monitor-controller, software components
	Response:	pacemaker changes the pulse rate
	Response Measure:	one millisecond
Questions:		What is the range of changes of heart rate
Issues:		May change the hardware components.