

## **Appendix B**

### **Introduction**

- What is your name?
- What is your organization name?
- How much experience do you have?
- What is your role in the organization?
- Do you perform maintenance?

#### **Mental Model**

- Mental model is used in program comprehension.
- Mental model is necessary before change. (how much time it takes)
- Mental model is dependent upon change request.
- Mental model needs domain knowledge.
- Experience plays role in creating mental model

### **Top down Approach**

- Top down approach need mental model first.
- Top down approach is necessary in understanding the system
- We need to create hypothesis in top down approach.
- We need to find the evidence of hypothesis in the code.
- System GUI plays a role to find the evidence.
- GUI creates understanding of the system
- System GUI in creating knowledge about the system
- We need to create a knowledge base before implementing a change

### **Knowledge base.**

- Knowledge base requires domain knowledge.
- Experience is an important factor in creating a knowledge base.
- Knowledge base creates a taxonomy of the system. (System flow)
- Keywords searching is used in change implementation.
- If you have a knowledge base, you can generate keywords for search.
- Knowledge base create efficient keywords
- Keywords generate through knowledge base is more effective as compared to without knowledge.