

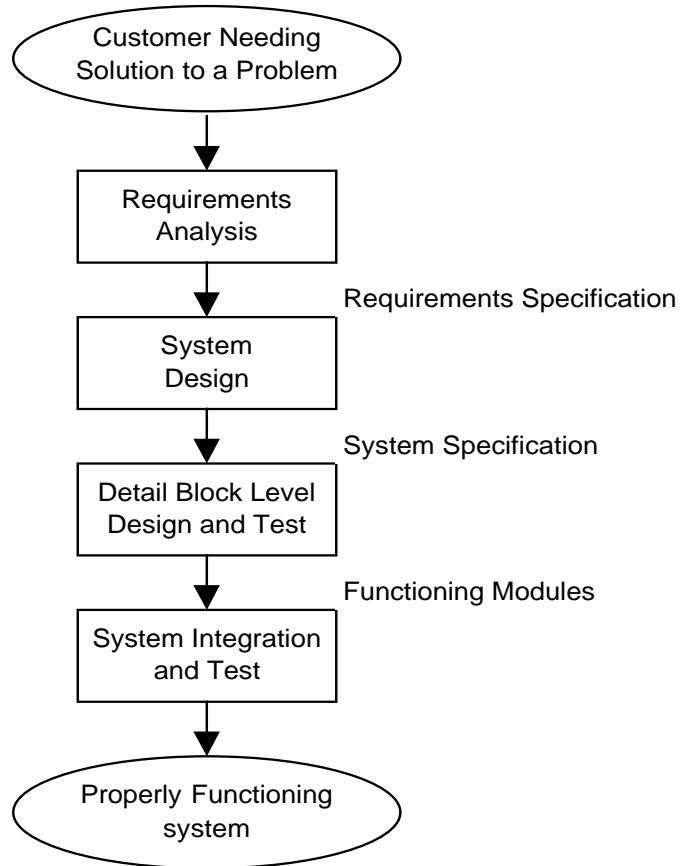
*SDP05*

# The System Design Process

ECE 415

Thu 07 October 2004

...a quick review



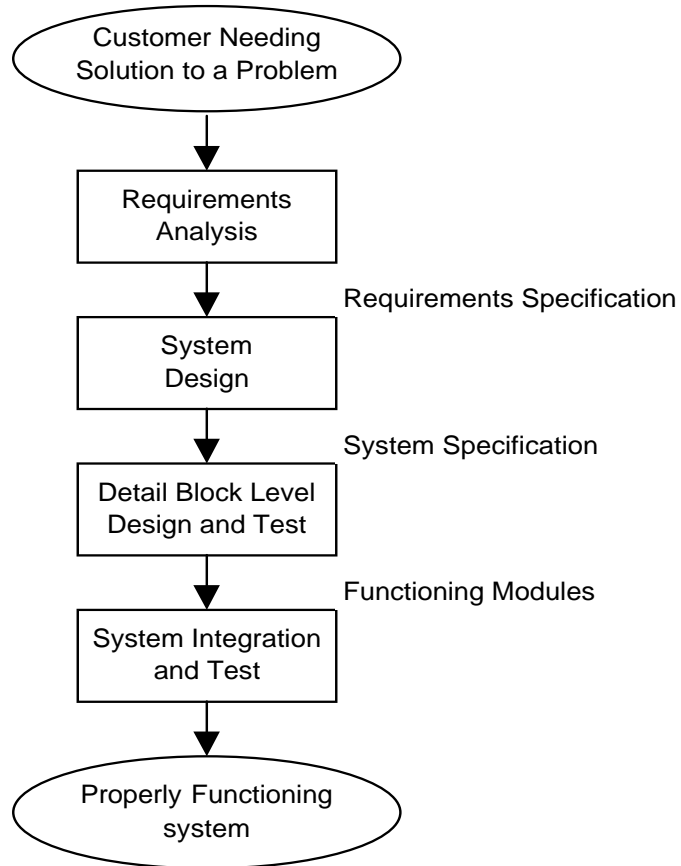
What comes after the  
Requirements Specification?

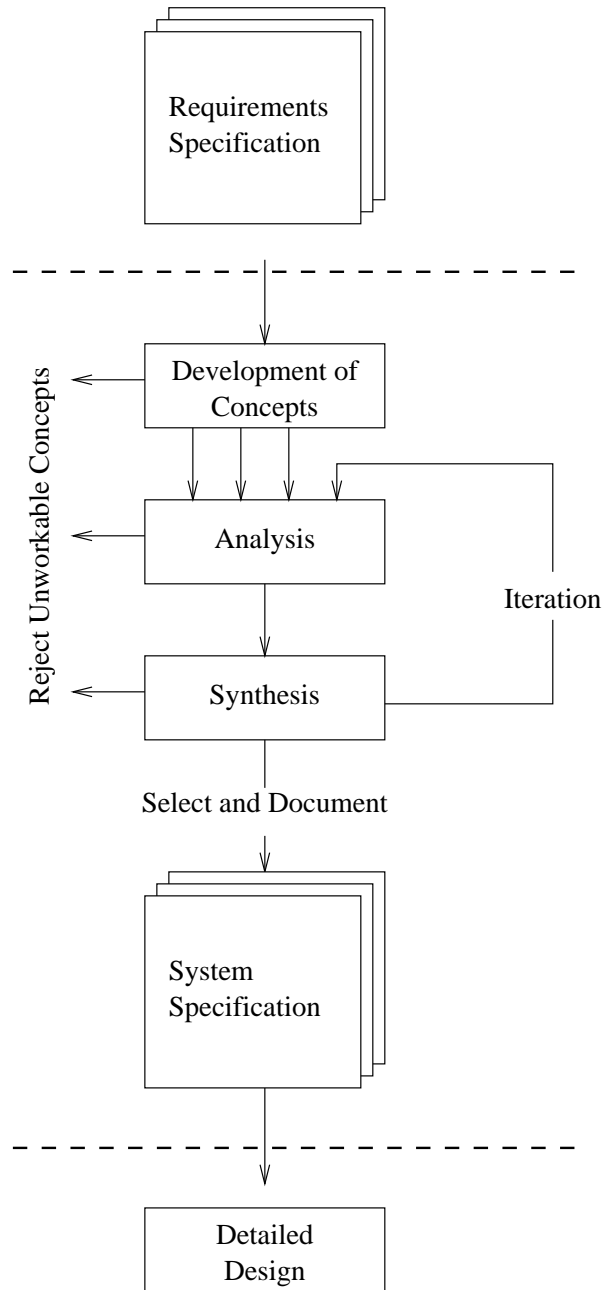
# SYSTEM DESIGN

What is the outcome of the  
System Design phase?

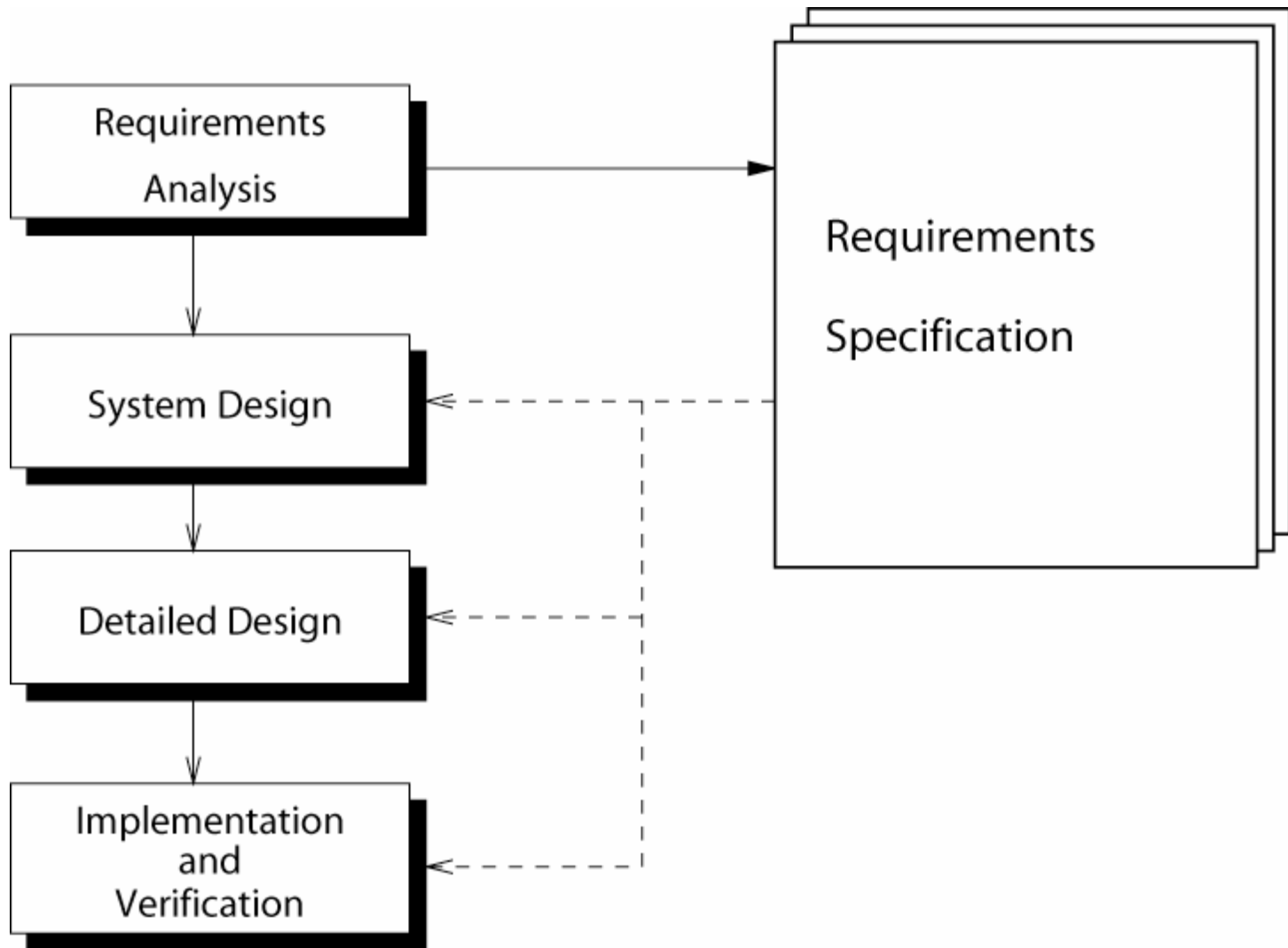
What is the outcome of the  
System Design phase?

-->> The System Specification





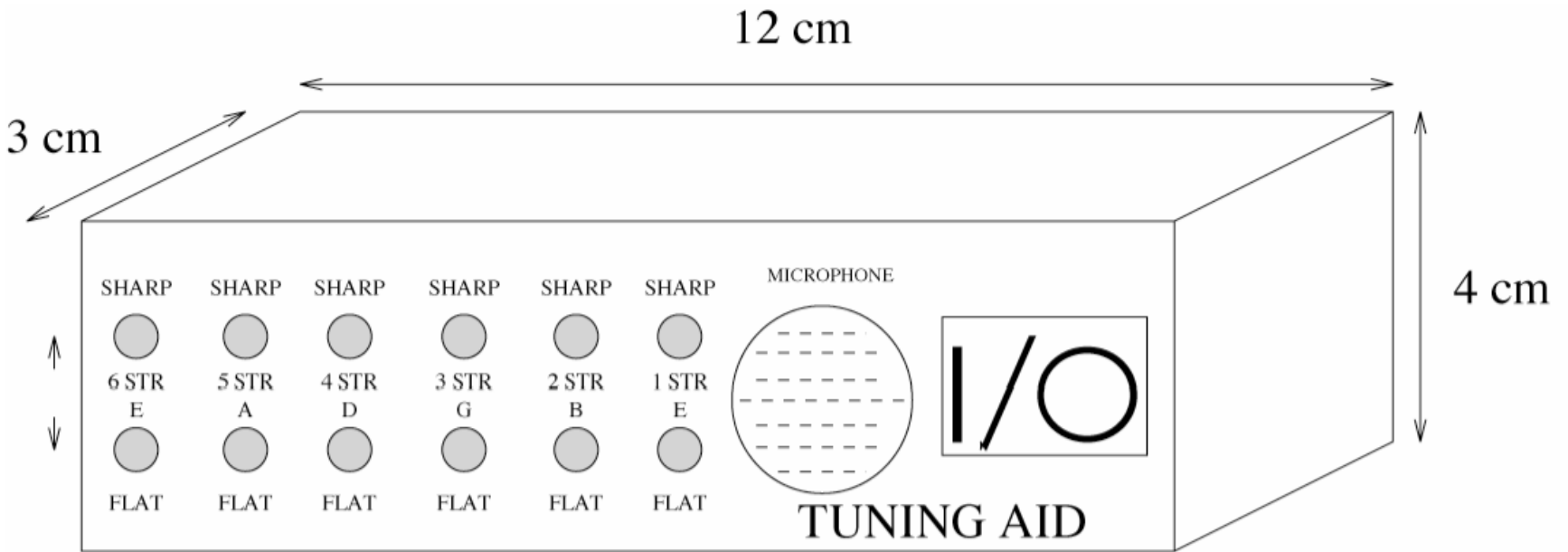
How is the Requirements Spec  
used in the System Design  
phase?



Case study in the appendix:  
Guitar Tuner

Use the guitar tuner case study as a model for your System Specification document! (page 147)

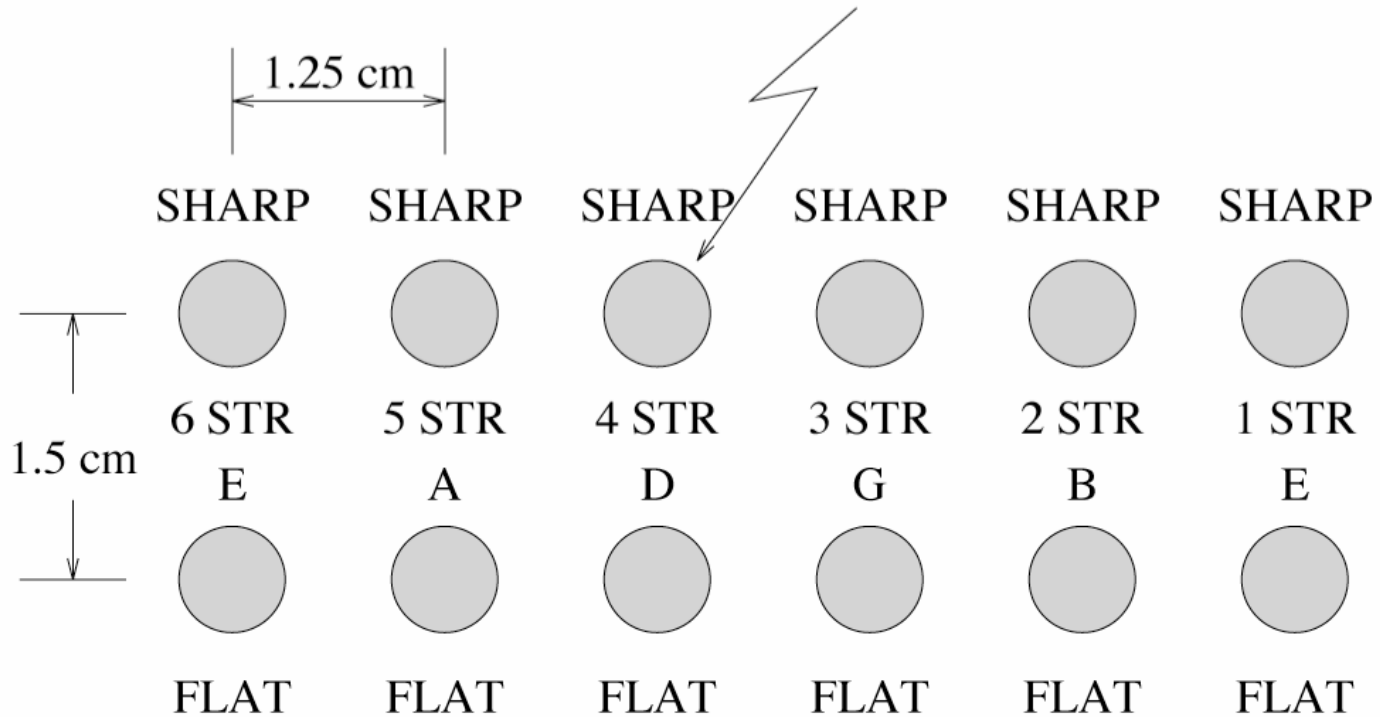
...except call it a  
**Draft System Specification, not a**  
Draft Systems Specifications : |



AGMC's CONCEPTION OF FINISHED UNIT

LEDs are to be brand zzz or equivalent

The energizing current must be between 10 and 20 ma



FACE PLATE SPECIFICATION

# System Spec organization

- Use the case study example beginning on page 147 as your template.

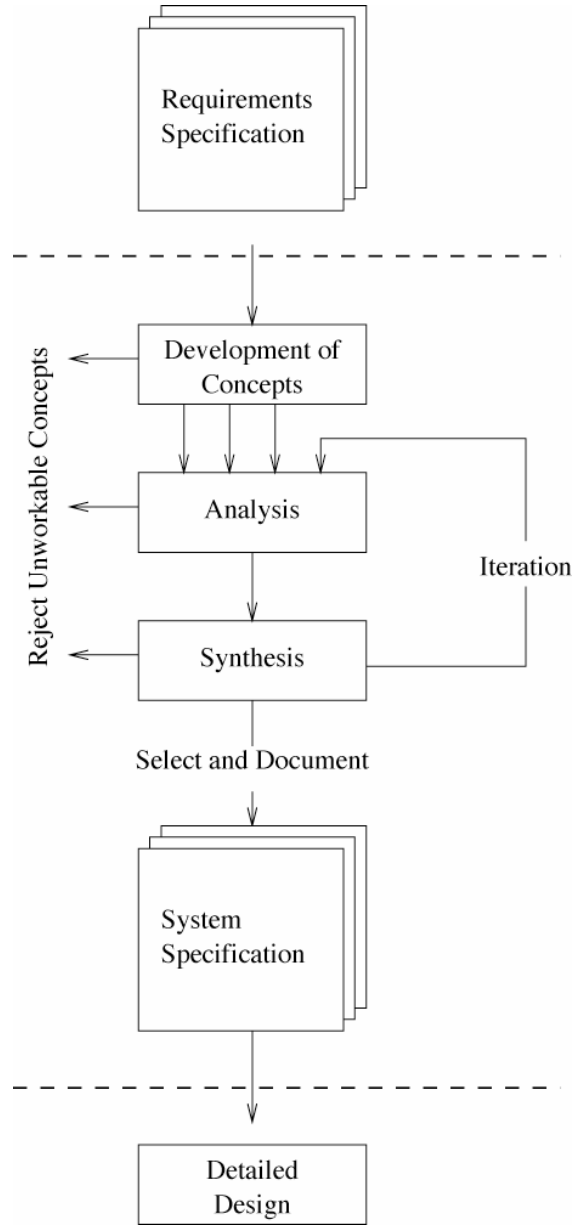
# The assignment for next Thursday (14 Oct):

- The Requirements Specification (Version 3 - using the page 134 as your template)
- The Draft System Block Diagram (use page 148 as your template)
- Deadline: in class, next week (Th 14 Oct 2004)

# Due in your web space before morning of Monday, Oct 18th:

- Statement of the Program
- Requirements Specification
- Draft System Specification

OK... now back to the System Design  
Phase....



System Design Phase....  
See Chapter 4 and Appendix A

Let's see how Sarah Defoe went  
about designing the Guitar Tuner  
(see page 139+)