

# Final Report Format

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# Documents to Submit

- Final Report is essentially your development plan for the next semester. It must include:
  - System Requirements Specification (SRS)
  - WBS, Schedule with Milestones, and Estimated Budget
  - Risk Management Plan
  - Detailed Design
  - Test Plan
  - Simulation Results
    - Proof-of-Concept, if applicable.

# SRS

- System Requirements Specification
- List all **functional** and **non-functional** requirement
- Specify any limitations, special cases, etc.

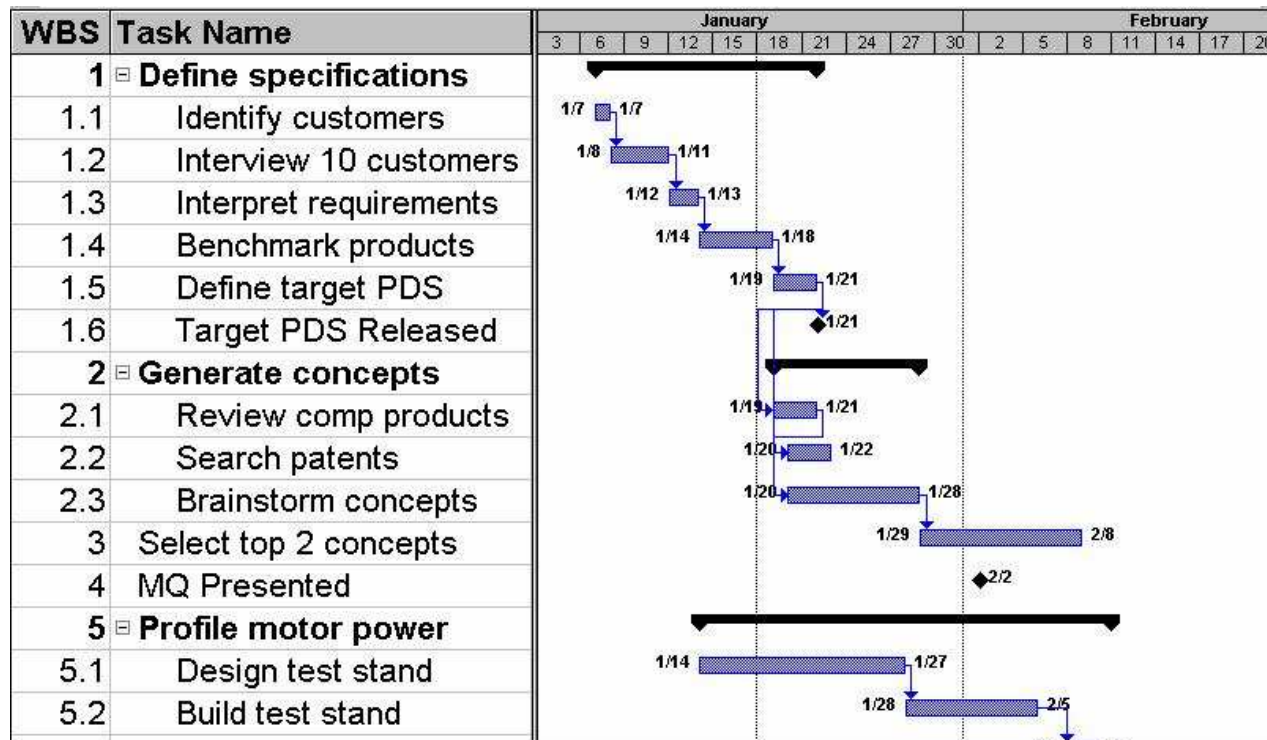
# Risk Management Plan

- Essentially a table with **risks listed in order of priority**, the mitigation plan, who is going to do it, by when, etc.
- See lecture 2 for details

ID	Risk Item	Trigger	Value	Risk Exp.	Resolution Approach	Who	Date
1	Too few engineering experts	10	12	630	Contract now for more	PM	1/15
2	Design schedule tight	25	28	450	Enforce Delphi estimates	PM	ongoing
3	Report function weak	20	25	180	Review with customer	Project Leader	2/15

# WBS, Schedule, and Budget

- Gantt chart showing the **WBS**, **schedule**, and **milestones**. Don't forget to add a **20% buffer**!
- Also include your **budget** calculations.



# Detailed Design

- High level architecture of the system, and
- Detailed designed, including all subcomponents and their relation
- Both **hardware** and **software**
  - Hardware: Block diagrams
  - Software: Design diagram
- Give **all** details:
  - specific hardware components (micro, sensors, etc.)
  - circuit details (layout, resistors, capacitors, etc.)
  - software details: programming language, platform, etc.

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# Test Plan

- Detailed description of how you are going to test the system.
- Include Verification Results
- Verification: must be done before the end of this semester (see lecture 3 for details).
  - List mistakes/oversights caught by verification.
  - No more than 1 page.
- Include Test Cases and scenarios
  - See lecture 3 for details.

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# Simulation Results

- Describe **how** simulation was done
- Include **simulation model**
- List **assumptions** and **simplifications**
- Present the **results of the simulation**, and how they justify the design
- Include **proof-of-concept** discussion, if applicable.