



DESIGN DEVELOPMENT MODEL

PLANNING STAGE

PROBLEM SITUATION IDENTIFICATION

(WHAT, WHY, WHO)

- what is the purpose here?
- what is the problem, why is there a problem, who needs a solution?
- research, conceptualization, group think, brainstorm

SET GOALS, NOTE CRITERIA

(HOW and WHEN)

- consider resources, materials, funds, time constraints
- discuss goals with clients, users, investors
- refine solutions, more thumbnails, models

EVALUATE, TEST, SELECT SOLUTIONS

- brainstorm, sketch, doodle, thumbnails, roughs, models , test models
- block out solutions with models, test: Does this work? Why? Why Not?
- make decisions, pin down solution(s)
- feedback to other stages

SELL THE IDEA(S)

- polish, and layout solution(s), comp drawings
- present ideas to users, management, clients, investors
- feedback to other stages

PRODUCTION STAGE

IMPLEMENT

- develop engineering details, prototypes, fabricate solution
- evaluate process, verify, modify if necessary
- monitor production: is there a better way?
- feedback to other stages

POST PRODUCTION STAGE

EVALUATE AND PRESENT

- analyze and conclude, report results, refine ideas for further work
- present final solution to user groups, clients, etc.