Introduction to HCl: The Design Process
There are many different design process models and frameworks....
There are many different design process models and frameworks....

Stanford D:School – Design Thinking Process
https://www.interaction-design.org/literature/article/5-stages-in-the-design-thinking-process
There are many different design process models and frameworks....

Dan Nessler (Hinderling Volkart) – Adapted Double Diamond
https://www.dannessler.com/intro-process
Universal Methods of Design “approach”

1. Planning, scoping + defining
   • What do we want to do?
2. Exploration, synthesis + design implications
   • Would it work? Would it solve the problem?
3. Concept generation
   • Create a prototype and try it out
4. Evaluation, refinement + production
   • Build it, test it, fix it
5. Launch and monitor and iterate
   • See if it works in the real world, with real users, and perform ongoing review and iteration

Universal Methods of Design “approach”

1. Planning, scoping + defining
   • What do we want to do?

2. Exploration, synthesis + design implications
   • Would it work? Would it solve the problem?

3. Concept generation
   • Create a prototype and try it out

4. Evaluation, refinement + production
   • Build it, test it, fix it

5. Launch and monitor and iterate
   • See if it works in the real world, with real users, and perform ongoing review and iteration

1. What is wanted / needed?

2. Analysis

3. Design

4. Prototyping

5. Implement and deploy

---

Overview of a design process

- What is wanted or needed?
- Analysis
- Design
- Implement and deploy
- Prototype
Methods in the process

Methods in the process

Overview of a design process

What is wanted or needed?

Analysis

Design

Implement and deploy

Prototype
Overview of a design process

- What is wanted or needed?
- Analysis
- Design
- Implement and deploy

Literature Review, Interviews, Observations

Prototype
Overview of a design process

Literature Review, Interviews, Observations

What is wanted or needed?

Affinity Diagramming, Task Analysis, Scenarios, Personas

Analysis

Design

Implement and deploy

Prototype
Overview of a design process

What is wanted or needed?

Analysis

Design

Implement and deploy

Prototype

Literature Review, Interviews, Observations

Affinity Diagramming, Task Analysis, Scenarios, Personas

Design Workshops, Storyboards, Design Concepts, Guidelines
Overview of a design process

What is wanted or needed?

Analysis

Design

Implement and deploy

Literature Review, Interviews, Observations

Affinity Diagramming, Task Analysis, Scenarios, Personas

Design Workshops, Storyboards, Design Concepts, Guidelines

Prototype

Paper prototype, cardboard mock-up, functional prototype
Overview of a design process

What is wanted or needed?

Analysis

Design

Implement and deploy

Literature Review, Interviews, Observations

Affinity Diagramming, Task Analysis, Scenarios, Personas

Design Workshops, Storyboards, Design Concepts, Guidelines

Interviews, Surveys, Observation, Remote data gathering

Prototype

Paper prototype, cardboard mock-up, functional prototype
Overview of a design process

What is wanted or needed?

Analysis

Design

Implement and deploy

Literature Review, Interviews, Observations

Affinity Diagramming, Task Analysis, Scenarios, Personas

Design Workshops, Storyboards, Design Concepts, Guidelines

Precise specification, “Minimal Viable Product”

What is wanted or needed?

Analysis

Design

Implement and deploy

Interviews, Surveys, Observation, Remote data gathering

Prototype

Paper prototype, cardboard mock-up, functional prototype
Overview of a design process

What is wanted or needed?

- Literature Review, Interviews, Observations

Analysis

- Affinity Diagramming, Task Analysis, Scenarios, Personas

Design

- Design Workshops, Storyboards, Design Concepts, Guidelines

Implement and deploy

- Precise specification, “Minimal Viable Product”

Prototype

- Interviews, Surveys, Observation, Remote data gathering

- Paper prototype, cardboard mock-up, functional prototype
Introduction to HCl: The Design Process