Design Step 2: Research the Problem Activity — Idea Web Example

**Problem Statement**
Design a prosthetic hand that can perform one function that can help improve the quality of life for an amputee.

**Requirements**
- Must fit on right arm
- Must cost less than $20
- Must perform one function

**Target Audience**
- Amputee
  - Characteristic: 13 years old
  - Characteristic: likes to play baseball
  - Characteristic: female

**Constraints**
- Amputated right hand

**Questions we have...**
- What function do we want this prosthetic to perform?
- What is the size of the amputee’s arm?
- What do different prosthetics look like?
- Must fit on right arm
- Must cost less than $20
- Must perform one function

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