* Customer Needs. What does the customer want/need?
  + - * + The customer wants their wrinkled/ worn-out money to be flattened and crisp for it to be more usable in machines and easier to keep organized.
* Performance. What must the product be able to do? Be specific.
  + - * + The product must be able to heat the money and straighten it as it’s pushed through the two conveyor belts. The motor has to have enough torque to turn the gears.
* Target Cost. What is the anticipated cost to the consumer for this product?
  + - * + We are expecting the price for the product to be around $20.00.
* Size and Weight. What size should the product be, or what restrictions to size exist? What are the weight restrictions on the product?
  + - * + The product is going to be about 3’ x 3’ x 3’
* Aesthetics. Are there preferences in the appearance features of the product (color, surface treatment, shape, material)? If so, describe them.
  + - * + Inside the product is going to have gears, motor, and heated rollers. Around all of this will be a cubed shaped casing small enough to be hand held.
* Materials. Is there a specific material or materials that must be used? If yes, describe it.
  + - * + Materials that will definitely be needed for manufacturing is a motor, gears, some sort of heating devise.
* Safety and Legal Issues. Identify potential safety and legal issues that may arise from the use of this product.
  + - * + The product is going to have to heat the money up so the heat could be a potential safety issue.
* Ergonomics. Identify considerations for the ergonomics of the product.
  + - * + We are going to make it small enough to for the users to hold in one hand.
        + We are using 9V batteries to make the product powerful enough to push the dollar through.
* Operating Environment. Identify the environmental conditions relevant to the manufacture and use of the product (temperature, corrosion potential, dust or dirt, pressure, humidity, vibration, noise, degree of abuse, etc.).
  + - * + The product should not get because of electronics inside.
        + The product should not endure intense blunt force.
* Global Environment. Will the product include any toxic or dangerous substances? What is the plan for disposal of the product at the end of its
  + - * + The case of the product is made from biodegradable materials and other parts of it can be recycled like the rollers and battery
* Service Life. What is the required service life of the product?
  + - * + After about 2 to 6 years determined by the amount of uses, you will have to replace the battery.
* Product Life. What is the anticipated length of time that the product will be produced before it is replaced by a newer version or alternate product?
  + - * + My team is not planning on making a newer version once the original product is created.
* Durability and Maintenance. Will the product require routine maintenance during its service life? If yes, answer the following.
  + - * + No, just a battery replacement will be required after a few years.

* + As a team list applicable constraints that the designer must work within. Be specific. In other words, listing “time” as a constraint is not acceptable – you must state specifically how much time is available for the design process.
* Small and light enough to be hand held
* Heat resistant outer casing because some parts of the technology inside the device will be heated.
* Created by the end of the semester.

1. Attempt to obtain validation of each criterion and constraint by multiple qualified representatives from each of the following groups: end-users, stakeholders, and field experts.
2. Create a design specification document for your project. Include the following:

* Name of Product: CrispMoney
* Designers: Luke Schofield, Jake Blosveren, and Nik Johnson
* Target consumer: individuals and/or companies who are often in possession of paper currency and consider it a problem when said currency
* Design Specifications:

1. Heated conveyer belt to heat and drag the money through the device.
2. Hand held
3. Outer case heat resistant