# Problem 1: Circuit Breaker

## Users

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| --- | --- | --- |
| Summary | Label | Importance |
| The person that is going to do the primary installation of the circuit breaker in the home. | Construction Worker | This person is less important, as they won’t be using it in any pressing situations. They will likely only use it to verify it works |
| The person that is going to be doing any repairs/additions to the circuit breaker box and switches | Electrician | This person is very important. It’s important for them to be able to use it, as they will likely be the one installing it and explaining it to future users |
| The person that is going to have to verify that the circuit breaker and switches are up to code, and conform to local laws and ordinances | Inspector | This person is less important. They must have a working knowledge of what is available and what isn’t, but won’t necessarily use it consistently |
| The person that maintains the property but may not always be around the property | Landlord | This person is somewhat important. While they won’t be using it regularly, it is up to them to know how it works, where it is and be able to explain it to the person that will be consistently using it |
| The person that is the primary person dealing with the breaker box on a day to day basis | Homeowner/renter | This person is very important. They will need to use it the most, and will need to know how it works, what will overload the breaker, which breaker is associated with which room, etc. |
| The person that will be monitoring the home and breaker box while the primary resident is away on vacation. | House sitter | This person is less important. They will only need it if an emergency happens when the primary person is away from the home. |

# Problem 2: Cordless Drill

## Personas

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| --- | --- | --- |
| Summary | Label | Importance |
| A retail worker that is tasked with knowing where the drill is, how it operates, and how it compares with other cordless drills | Department Store Worker | Less important. This person needs to know the difference in the devices, but not the inner workings. |
| A user of the product daily. One that will be using it very regularly throughout the standard workday. | Construction Worker | More important. This person needs to know how it best operates, what all the functions of the tool do and what certain sounds/etc mean |
| Someone who will be using it frequently, but not as frequently as someone that will use the product for their daily job | Do-It-Yourselfer | Semi-important. This person needs to have a general idea of the working of the tool |
| Someone that will only use the product on rare occasion and may not be familiar with all the settings | Hobbyist | Less important. This person wont be using the product often, and will likely only be using it for one purpose |
| Someone that knows how to repair a broken device. | Tool Repairman | More important. This person needs to understand the every aspect of the drill |
| The person in the factory that is testing the device before it is sent to the retail stores | Quality Assurance Engineer | More important. This person needs to know what makes a good drill a good drill. |

# Problem 3: Stopwatch App

## Users

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| --- | --- | --- |
| Summary | Label | Importance |
| A person that has direct interest in timing something that they are doing personally, and needs very precise results | Athlete | Very important. They are the ones putting the results into action. |
| A person that has direct interest in timing something they are personally doing but only needs semi-precise results | Perspective Athlete | Less important. They need something, but it isn’t critical that it works 100% right. |
| A person that would like to time something one other person is doing | Friend of Athlete | Less important. They are most likely just helping a friend, and wont be using it all the time |
| A person that would like to time many people at the same time | Coach | Very important. They are keeping track of multiple individuals times and need an easy way to do that. |
| A person that verifies that the timing is accurate, and the UI is easy to understand | Quality Assurance Engineer | Very Important. They need to know the inner workings of the application, and how it’ll work with their target users |
| Someone that enjoys playing with electronics and just needs something to fiddle with for a few minutes. | Fiddler | Less Important. They are just here to mess around. |

# Problem 4: CB Radio

## Collection Persona Data

I would go about collecting persona data by visiting places that use CB radios frequently, such as truck stops, police stations, any government workers that have a vehicle, fireman, etc. I would also want to talk to people that worked at CB manufacturing and design companies.

## Resources

I would use things like skype, facetime, etc. to have video chats with them. I’d also use a survey collection tool to easily get answers to specific questions.

## Persona Subjects

* Truck Drivers
* Forest Service Workers
* Policemen
* Fireman
* EMT’s and Ambulance Drivers

## Data Analysis

I would use the survey collection tool to query the data and produce reports/charts to see what demographic was surveyed, and what the results were.