PRODUCT BACKLOG PRIORITY #1 – BLOWING BALLOONS

As an air lover, I want to have a supply of air stored in balloons, so that I can conveniently carry it around with me.

ACCEPTANCE CRITERIA

- ☐ **There must be 5 balloons in total**
- ☐ **Each balloon must have a diameter of at least 20 cm**
- ☐ **All balloons should have their diameter individually measured and written on the balloon**
- ☐ **All balloons need to be attached to a single piece of string at intervals of at least 30cm**

NOTES

- ▪ **Be sure everyone's clear on what "diameter" means**
- ▪ **Team will be provided with as many balloons and as much string as it requires during the Sprint**

PRODUCT BACKLOG PRIORITY #2 – PAPER AIRPLANE AIR FORCE

As a water fanatic, I want to have a small air force of paper airplanes, so I can defend against anyone who attempts to steal my water bottle

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ACCEPTANCE CRITERIA

- ☐ There needs to be at least 5 airplanes in the air force
- ☐ Each airplane in the air force needs to be individually tested and proven to be able to fly at least 3m
- ☐ Any airplane that fails its first flight test <u>must</u> be destroyed
- ☐ After passing the test, each plane needs to be signed with the name of the tester and the time the test was passed
- ☐ Each airplane must have a blunt tip (in other words, not sharp) so that my coworkers aren't injured

NOTES

- ▪ You will be provided with special paper for constructing the airplanes at the beginning of the Sprint

PRODUCT BACKLOG PRIORITY #3 – NEWSPAPER STRUCTURE

As a water fanatic, I want a structure on which to place my water bottle while I'm watching TV

ACCEPTANCE CRITERIA

- ☐ Structure needs to be constructed using only newspaper and tape
- ☐ Structure needs to be able to support a full 330ml water bottle at a height of at least 50cm above the base

NOTES

- One copy of a newspaper and one roll of packing tape will be provided at the beginning of the Sprint.

PRODUCT BACKLOG PRIORITY #4 – PAPERCLIP PLANNING

As a paperclip enthusiast, I want to know how many interlinked paperclips would be required to make a chain 1km in length, and roughly how long it would take to assemble.

ACCEPTANCE CRITERIA

- ☐ The answers as well as the step-by-step calculations should be written neatly and clearly on a sheet of paper, so that it's easy for someone else to understand how you arrived at the answers
- ☐ The calculations should be double-checked by another person on the team, and they should sign their name and write the time of the verification on the sheet of paper

NOTES

- ▪ You will be provided with sample paperclips at the beginning of the Sprint to measure and experiment with

PRODUCT BACKLOG PRIORITY #5 – MARTIAN MESSAGE

As an interplanetary diplomat, I want an incoming message to be translated from Martian into English, so I can understand it.

ACCEPTANCE CRITERIA

☐ The message should be accurately translated, and written neatly on a sheet of paper

NOTES

- The message will be about 50 words in length.
- Martian is the same as English, but uses different characters. For example, the Martian letter "+" is the English letter "A", the Martian "=" is the English "B", etc.
- You will be provided with a letter-for-letter lookup table at the beginning of the Sprint.

PRODUCT BACKLOG PRIORITY #6 – PAPERCLIP JEWELRY

As a very fashionable person, I need a necklace and and two bracelets which I can wear at any high-fashion events I attend

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ACCEPTANCE CRITERIA

☐ **The jewelry should to be made by interlinking paperclips together. It may be made more attractive in any way the team chooses.**
☐ **The necklace should be at least 40cm in <u>circumference</u>**
☐ **The bracelets should be at least 20cm in <u>circumference</u>**
☐ **The team should be ready to model the jewelry at the Sprint Review**

NOTES

▪ **A box of paperclips will be provided at the beginning of the Sprint**
▪ **Make sure everyone is clear on what the word "circumference" means**

PRODUCT BACKLOG PRIORITY #7 – NUMBER ADDITION

As an accountant, I will be receiving a number X from a colleague, and I need all the numbers from 1 to X added (1+2+…+X)

ACCEPTANCE CRITERIA

- ☐ **The answer must be accurate**

NOTES

- ▪ **X will be a whole number less than 1000, and will be provided at the beginning of the Sprint**
- ▪ **You can use whatever calculating device you have available.**

**PRODUCT BACKLOG PRIORITY #8 –
SIMPLE MATH**

As an accountant, I will be receiving 10 numbers (each a whole number less than 100) from a colleague, and I need them added together.

ACCEPTANCE CRITERIA

☐ Result must be accurate, and written neatly on a sheet of paper.

NOTES

▪ You can use whatever calculating device you have available.

As an air lover, I want to have an emergency backup supply of air stored in balloons, which I can wear around the office.

ACCEPTANCE CRITERIA

☐ **Total number of balloons should be at least 6**
☐ **Each balloon should have a <u>radius</u> of at least 15cm**
☐ **All balloons should have their <u>radius</u> measured and calculated, and written on the balloon**
☐ **All balloons need to be tied together with string in a ring, so that you can wear it around your neck**

NOTES

▪ **Be sure everyone's clear on what "radius" means**
▪ **Team will be provided with as many balloons and as much string as it requires at the beginning of the Sprint**

As a water fanatic, I want to have additional aircraft in my air force, using a different design, to give my water bottle added protection

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ACCEPTANCE CRITERIA

- ☐ **There needs to be at least 5 airplanes in the air force**
- ☐ **A different design than before must be used**
- ☐ **Each airplane in the air force needs to be individually tested and proven to be able to fly at least 3m**
- ☐ **Any airplane that fails its first flight test must be destroyed**
- ☐ **After passing the test, each plane needs to be signed with the name of the tester and the time the test was passed**
- ☐ **Each airplane must have a blunt tip (in other words, not sharp) so that my coworkers aren't injured**

NOTES

- ▪ **You will be provided with special paper for constructing the airplanes at the beginning of the Sprint**