# Counting the people crossing the Bridge

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| **Scenario name** | *Bridge walk use case* | |
| **Participating actors** | **Initiated by** *Dominic* | |
| **Flow of events** | **1)** *Have two microbits. One at one side of the bridge and one at the other side of the bridge. Both of them will have a infrared motion sensor on attached to them.* | |
|  |  | **2)** *Design a 3d printed case to house the microbits, sensors, and a battery pack.* |
|  | **3)** *In the design of the 3d printed case, design it to accept Velcro straps so we can securely attach it to the pillars on the bridge.* | |
|  |  | **4)** *Attach the microbits to the brigde using the Velcro connectors.* |
|  | 5.) Press A on both of the sensors to begin testing | |
| **Entry conditions** | *Start sensing by pressing a button on the microbit* | |
| **Exit conditions** | *Stop sensing by pressing the b button on the microbit* | |
| **Invariants** | *Supplies used to create the housings fort he microbits* | |
| **Quality requirements** | *Pressing the start recording and stop recording button at the same time so we do not have any data that we can not use.* | |