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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Template** |  |  | **Iot based Safety Gadget** |  | |  | | | |  | | | | |  |  |  |
|  | **for Child Safety** |  | |  | | | |  | | | | |  |  |
|  | **Monitoring and**  **Notification Team id :** | **Entice**  How does someone initially become aware of this process? | | **Enter**  What do people experience as they begin the process? | | | | **Engage**  In the core moments in the process, what happens? | | | | | **Exit**  What do people typically experience  as the process finishes? | **Extend**  What happens after the experience is over? |
|  | IBMSI20220041672 |  | |  | | | |  | | | | |  |  |
| **Customer experience journey map** | **Steps**  What does the person (or group) typically experience?  **SCENARIO**  **Browsing, booking, attending, and rating a local city tour** | **What type of Gaget is?Wearable or not?** | **Allows parents to keep a track of thier child's activities and loctaion easily** | **Step 1:** | **The wearable device**  **has a lot of inbuilt The device has a features to track the GPS to track the location of the child childs locaton** | | | **The device has a GPS to track the childs locaton** | | **The device has a** | **The device has a GPS to track the childs locaton** | | **Notify the parents/ guardians if any abnormal conditions are happened** | **The exact location of the child would be known to the parents and can be verifed in the website too** |
|  |  | | **GPS to track the** |  | |  |  |
| Use this framework to better |  | | **childs locaton** |  | |  |  |
| understand customer needs, |  | |  |  | |  |  |
| motivations, and obstacles by |  | |  |  | |  |  |
| **Interactions**  What interactions do they have at each step along the way?  **People:** Who do they see or talk to?  **Places:** Where are they?  **Things:** What digital touchpoints or physical objects would they use? |  | | **Step 2:** | **It uses IBM's It uses cloudervices cloudervices to store to store child's**  **dataabout the location past and**  **child'slocation present also** | | | **The gadget will make use of GPS and a python script to publish the location details to the IBM IoT platform** | | | | | **The Gadget sends immediate response to the user if the child crossesthe goofence (particular location)** |  |
| illustrating a key scenario or |  | |  |
| process from start to finish.  When possible, use this map to document and summarize interviews and observations with real people rather than relying | **Interaction in The device works on**  **a place IBM watson platform** | | **Data is stored in a web application is user**  **friendly and secure created using the Node Red Service.** |
| on your hunches or assumptions. |  | |  |
| Created in partnership with | **Goals & motivations**  At each step, what is a person’s primary goal or motivation? (“Help me...” or “Help me avoid...”) | **Goal or motivation** | **High performance in terms of simple usage and security** | **Step 3:** | **Any time usage backed up by power**  **supply** | | | **To safeguard the child from threats** | | | | | **. This gadget continuously monitors the individual children's location** | **Increased safety and security** |
|  | **Positive moments**  What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting? | **Description of a positive moment** | **Creates a secure environment for children to move around.** | **Step 4:** | | **High level with increase in performance** |  | **Increased reliability towards**  **technology and reduced reliability**  **towards guardians.** | | | | | **clearly rings an alarm which the**  **nearby public or nearby police**  **station immediately** | **Panic button helps**  **the child feel**  **more safer** |
|  | | | |
|  |  |  | | | | |  | **safer** |
|  | **Negative moments**  What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming? | **Description of a negative moment** | **The battery life required for these devices is more** | **Step 5:** | **Material should be fexible and have low cost** | | | **Material should not be high cost and should not be irritaable to skin.** | | | | | **Comfort of the user**  **should be given more priority** | **Location updates must be fast and continuous** |
| [**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co) | **Areas of opportunity**  How might we make each step better? What ideas do we have? What have others suggested? | **Idea** | **Additional sensors can be added to improve accuracy** | **Step 6:** | **Solar batteries and replaceable batteries are**  **improve the life of system.** | | |  | **More features like geofencing can be integrated** | | |  | **The device must be non removable to track the child's activity** | **The device must be affordable/low cost effecient** |
|  | | | | |
|  | **Need some inspiration?**  See a finished version of this template to kickstart your work.  [**Open example**](https://app.mural.co/template/f59f644b-b4b4-47b5-9ed6-3a8c71ceb612/896b31fe-5597-40ef-9b06-3811a1a45ace) |  | | | | | | | | | | | | | | | |

IoT Based Safety Gadget for Child Safety Monitoring & Notification

