**Functionalities and its function**



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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Function Name | |  | |  |  | Hospital |  | |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Description | |  | |  |  | In this location-based system, our app will use GPS to detect persons live location. Users can find near-by hospitals in any emergency situation |  | |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Precondition | |  | |  |  | None or Login |  | |  |
|  | Exception |  |  |  |  |  | If the GPS system is damaged, the system will redirect to other emergency options |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
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|  | Use Case Name | |  |  |  |  | Pharmacy |  |  |  |
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|  | Scenario | |  |  |  |  | In this location-based system, our app will use GPS to detect persons live location. Users can find near-by pharmacies from anywhere |  |  |  |
|  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |  |  |
|  | Precondition | |  |  |  |  | None or Login |  |  |  |
|  | Exception |  |  |  |  |  | During searching for nearby pharmacy, if network problem arise the system will not work |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |  |  |
|  | | |  |  |  |  |  |  |  |  |
|  | Use Case Name |  |  |  |  | ATM Booth | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Scenario |  |  |  |  | In this location-based system, our app will use GPS to detect persons live location. Users can find the nearest location of their desired ATM booths | | |  |  |
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|  | | |  |  |  |  |  |  |  |  |
|  | Precondition |  |  |  |  | None or Login | | |  |  |
|  | Exception |  |  |  |  |  | None |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | | |  | |  |  |  |  |  |  |
|  | Use Case Name | |  | |  |  | Police Station | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Scenario | |  | |  |  | In this location-based system, our app will use GPS to detect persons live location. Users can contact any near-by police station for any emergency need | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Precondition | |  | |  |  | None or Login | |  |  |
|  | Exception |  |  |  |  |  | If any network issue arises while contacting, the system will let police trace the location of user |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Use Case Name | |  | |  |  | Fuel Station | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Scenario | |  | |  |  | In this location-based system, our app will use GPS to detect persons live location. Users can search for the nearest location of fuel stations | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Precondition | |  | |  |  | None | |  |  |
|  | Exception |  |  |  |  |  | If the fuel stations are overcrowded the user may get a notification |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Use Case Name | |  | |  |  | Call 999 | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Scenario | |  | |  |  | If the user doesn’t have an active internet connection, then he/she can use government emergency helpline service 999 | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Precondition | |  | |  |  | None | |  |  |
|  | Exception |  |  |  |  |  | If the call is failed, it may redirect to other emergency numbers |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Use Case Name | |  | |  |  | Blood Bank | |
|  |  |  |  |  |  |  |  |
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|  |  | |  | |  |  |  | |
|  | Scenario |  |  |  |  |  | User can locate blood donor according to his need |
|  |  |  |  |  |  |  |  |
|  | Precondition | |  | |  |  | Login | |
|  | Exception |  |  |  |  |  | If the call is failed, it may redirect to other emergency numbers |