

Ambiguities- Drone system :



- ✧ The drone, a quad chopper, will be very useful in search and recovery operations, especially in remote areas or in extreme weather conditions. It will click high-resolution images. It will fly according to a path preset by a ground operator, but will be able to avoid obstacles on its own, returning to its original path whenever possible. The drone will also be able to identify various objects and match them to the target it is looking for.

Ambiguities- (Drone System)



1. **Extreme Weather Conditions:** The term "extreme" is subjective. Specify what environmental factors (e.g., wind speed, temperature, precipitation) are considered extreme to guide design and operational limits.
2. **High-Resolution Images:** Define the expected image resolution (e.g., in megapixels or specific dimensions like 4K) to ensure clarity in system requirements.
3. **Path Deviation:** Clarify the criteria or decision-making process the drone uses to deviate from its preset path and the conditions under which it returns to the original route.
4. **Object Identification Accuracy:** Specify the required accuracy or confidence threshold (e.g., 90% precision/recall) to evaluate the drone's object recognition capabilities effectively.
5. **Target Definition:** Clearly define what qualifies as a "target" (e.g., lost persons, specific equipment) to ensure proper training and functioning of the identification system.

Ambiguities- Ticket-issuing system:



- ✧ An automated ticket machine sells rail tickets. Users select their destination and input a credit card and a personal identification number. The rail ticket is issued and their credit card account charged. When the user presses the start button, a menu display of potential destinations is activated, along with a message to the user to select a destination and the type of ticket required. Once a destination has been selected, the ticket price is displayed and customers are asked to input their credit card. Its validity is checked and the user is then asked to input their personal identifier (PIN). When the credit transaction has been validated, the ticket is issued.

Ambiguities- (Ticket-issuing system)



1. **Select destination and type of ticket** : It's unclear what types of tickets are available (e.g., one-way, round-trip, first-class, child/senior fare).
2. **Credit card validity is checked** : Unclear what checks are performed—expiration date, available balance, stolen card status?
3. **Personal identifier (PIN)** : It's not specified whether the system supports all card types and their PIN standards (e.g., chip-and-PIN vs. magstripe).
4. **Credit transaction has been validated** : Unclear what constitutes a successful validation—authorization only, or also completion?
5. **Ticket is issued** : Ambiguous whether the ticket is printed physically, sent digitally, or both.