

# Functional requirement

No.	Item	Status	Difficulty	Priority	User
1	<b>Posting lost items</b> <ul style="list-style-type: none"> <li>The system shall allow participants to post details about a lost item, including item description, location, and a photo.</li> <li>The system shall provide a confirmation email to the participant after submitting the post.</li> </ul>	Proposed	Medium	High	Participant
2	<b>Posting found items</b> <ul style="list-style-type: none"> <li>The system shall allow participants to post details about a found item, including item description, location, and a photo.</li> <li>The system shall provide a confirmation email to the participant after submitting the post.</li> </ul>	Proposed	Medium	High	Participant
3	<b>Authentication</b> <ul style="list-style-type: none"> <li>The system shall allow participants to log in using their KFUPM portal credentials.</li> <li>The system shall restrict access to only authorized participants (KFUPM students and staff).</li> <li>The system shall allow watchers to log in using their KFUPM portal credentials.</li> <li>The system shall restrict access to only authorized watchers (KFUPM students and staff).</li> </ul>	Proposed	Difficult	High	Participant Watcher
4	<b>Search for Items</b> <ul style="list-style-type: none"> <li>The system shall allow the Watcher to search for lost/found items based on keywords.</li> <li>The system shall filter search result based on the date posted or item category.</li> </ul>	Proposed	Medium	Medium	Watcher
5	<b>Notifications</b> <ul style="list-style-type: none"> <li>The system shall send an email to all users when a new item is post.</li> <li>The system shall send personalized notifications for posts that match a Watcher search criteria.</li> </ul>	Proposed	Medium	High	Participant Watcher Admin

	<ul style="list-style-type: none"> <li>The system shall allow <b>watchers</b> to receive email notifications when a new item is posted.</li> </ul>				
6	<b>Viewing posts</b> <ul style="list-style-type: none"> <li>The system shall allow watcher to view lost and found items.</li> </ul>	Proposed	Medium	High	Watcher
7	<b>Commenting on Posts</b> <ul style="list-style-type: none"> <li>The system shall allow participants to comment on lost or found item posts to provide additional information about the post.</li> <li>The system shall allow watchers to comment on any lost or found item post to provide additional information or ask questions.</li> <li>The system shall allow administrators to moderate comments and delete or edit any inappropriate or irrelevant content.</li> </ul>	Proposed	Medium	Low	Participant Watcher Admin
8	<b>Moderation</b> <ul style="list-style-type: none"> <li>The system shall allow administrators to add, edit, and delete any post.</li> <li>The system shall allow administrators to generate activity reports of users' posts and comments.</li> </ul>	Proposed	Difficult	Low	Admin
9	<b>Post approval</b> <ul style="list-style-type: none"> <li>The system shall require administrator approval for all found item posts before they are published.</li> <li>The system shall notify administrators when a new found item post is submitted and prompt them to review the content for confidential information.</li> <li>The system shall allow administrators to approve, reject, or edit a found item post based on its suitability for publication.</li> </ul>	Proposed	Medium	Low	Admin
10	<b>Visual Dashboard for Participants</b> The system shall provide a visual dashboard for participants, displaying key statistics such as: <ul style="list-style-type: none"> <li>Number of lost items posted.</li> <li>Number of found items posted.</li> <li>Items successfully recovered.</li> </ul>	Proposed	Difficult	Low	Participant

	<ul style="list-style-type: none"> <li>• Points earned.</li> <li>• The dashboard shall be accessible from the participant's profile.</li> </ul>				
11	<b>Reward system</b> <ul style="list-style-type: none"> <li>• The system shall automatically add a specified number of points to a participant who helps locate a lost item.</li> <li>• The system shall allow participants to redeem their accumulated points for predefined gifts.</li> <li>• The system shall track the points earned by each participant and notify them when they have enough points to redeem a gift.</li> </ul>	Proposed	Difficult	Low	Participant
12	<b>Bookmarking/Tracking posts</b> <ul style="list-style-type: none"> <li>• The system shall allow <b>watchers</b> to bookmark posts of interest for easy reference later.</li> <li>• Watchers shall have a "Bookmarks" section in their user profile to manage these saved posts.</li> </ul>	Proposed	Medium	Low	Watcher
13	<b>Visual Dashboard for Administrators</b> The system shall provide a visual dashboard for administrators, displaying key statistics such as: <ul style="list-style-type: none"> <li>• Total number of lost items.</li> <li>• Total number of found items.</li> <li>• Number of items successfully recovered.</li> <li>• Number of comments posted.</li> <li>• Activity logs.</li> <li>• The dashboard shall allow administrators to filter statistics by date range, item type, and status (e.g., lost, found, resolved).</li> </ul>	Proposed	Difficult	Low	Admin
14	<b>Administrator Action Logs</b> <ul style="list-style-type: none"> <li>• The system shall log all actions performed by administrators, including post approvals, edits, deletions, and comment moderations.</li> </ul>	Proposed	Low	Medium	Admin

	<ul style="list-style-type: none"><li>• The system shall allow administrators to view and export these logs for auditing purposes.</li></ul>				
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