

Assignment 2

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Submitted To:

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Walton wants to build a food freshness checking app for refrigerators. Identify functional and non-functional requirements of it.

Functional Requirements:

- Application will let user login using their unique username and password
- Application will track of daily new foods which is stored in the fridge
- Application will let user to update the fridge database
- Application will detect and track any order
- Application will give invoice to users
- Application will detect any rotten foods
- Application will give notification to user of food more than a week

Non-functional requirements:

- Application will show inner temperature to the user
- Application will show load shedding duration
- Application will show compression values
- Application will give user to access Fridge database
- Application will be responsive in all user interface
- Application will be connected through OTP sent by Walton
- Application will be update in every 10 minutes
- Application will work only for Walton Fridge

BRACU has a “lost and found” unit in building 2. Now they want to build a Lost and Found app for students. Identify functional and non-functional requirements of it.

Functional Requirements:

- Application will enable the student login with their ID and Pin
- Application will have a two-factor authentication
- Application will have a search options for their lost items
- Application will track if any lost items have been reached to respective owner
- Application will ask the students to contact with “lost and found” unit when they lost or found any item
- Student should be able to enter description of lost item

Non-functional requirements:

- Application will be responsive in all user interface
- Every Students of BRAC University should have a unique id and password
- Students can see lost item name in Application Interface
- Application will have better performance, security testing, usability
- Student can update or delete application
- Application will have contact information of “lost and found” unit