Features For Users App
Additional Feature and Learnings

1)Home Page:
- ➢ Simple organized option
- ➢ Login register gateway and DB along with such that we have to login/register with app only once and after that there won't be need for doing that again and they will start up normally

2)Issue:
- ➢ Input form (As in prototype) or selectable options (As MCQ) or selectable icons (As in UZED app)

3)History:
- ➢ Showing history of issued request in order of most recent ones on top as in any Zomato like app or G-pay transaction history

4)Wallet:
- ➢ UPI gateway for transferring the reward points to users UPI account hence we need to study how these reward/wallet systems work similar to Amazon wallet

5)SAWAS Near ME:
- ➢ This will list the locations of SAWAS nearby for user, currently SAWAS is yet to establish hence this option should show the location of recycling centres. This should be similar to the googles feature of showing location of shops/places etc.

6)Help n Support:
- ➢ This feature will handle users queries and problem, first in form of input field which will include most probable queries or complaints, else there will be contact info like help line or email which will contact SAWAS or system designed especially for handling queries and support like call centres of trained ppl.

7)About US:
- ➢ brief info about us

8)Notification features:
- ➢ Request i.e., showing progress of user's e-waste process like issued collected at retailer and reward generation. like the tracking system in AMAZON delivery tracking.
- ➢ reward
- ➢ trivia to keep user engaged in mean time and as creating awareness by spreading more info about e-wastes.

9) To learn:
- ➢ Adding google login
- ➢ Adding list locations
- ➢ Adding UPI payment https://pub.dev/packages/upi_india
- ➢ Adding contact

Features For Retailer App

Additional Feature and Learnings

1)Home Page:
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2)Fetch men:
- Fetch men are those ppl who work under retailer who fetch e-waste from user
- This provides following features:
  - To add or remove fetchmen data
  - To show their working status and no. of order they handled
  - Basic contact

3)Inventory Management:
- Storage of ewaste data from user where An Unique ID for each ewaste is generated and given which will identify that waste in the following stages.
- The Data is stored in grouped form depending where/to which SAWAS it is sent

4)Notification Generator:
- Notif Showing request from users
- Notif to notify user about arrival and departure of their ewaste parcel.
- Notif to notify SAWAS about parcel

5)SAWAS Contact:
- This will be decision making system which depending on handler tag and nearest location the ewaste is assigned to respective SAWAS.
- The SAWAS should be listed in order of nearest to furthest in static way.

6)Contact another retailer:
- This feature is used to transfer request handle in case of emergency or failure at the system of one retailer.

7)Parcel Handler:
- Contact for parcel office to send ewaste parcels as grouped and send to SAWAS

8) Wallet:
- Same as in user app.

9)Assumptions about SAWAS
- Each SAWAS has unique id
- SAWAS is associated with handler tag which will identify which type of ewaste it will handle e.g. All handler, cell handler screen handler etc.
- There are number of SAWAS with different specs and diff ewaste handling capacities.

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Desktop Application Features

Attribute SAWAS has:
- ➤ Unique SAWAS ID
- ➤ Handler Tag
- ➤ Email
- ➤ Payment Account/Info

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2) Notification icon And Notif Generator:
- ➤ The notification icon (Highly visible) will receive and display ewaste sent and its detail and related info in the window
- ➤ The notif generator will provide option to on click send feature of notification features e.g., Parcel xx-xx-xx received at SAWAS.
- ➤ The notif can be in the form of SMS or email

3) Record Inventory:
- ➤ This will record all the items processed by the SAWAS and revenue generated info of each of them.

4) Request Inventory:
- ➤ This will record all the e-waste received from the respective retailer and record related info like track ID, retailer ID etc.

5) UPI Payment:
- ➤ This will provide payment feature to particular user (end user/retailer) by taking its credential which he will provide and pay the proportional reward from generated revenue.

6) Process the Ewaste lot:
- ➤ Upon arrival of different wastes this feature is set of processes which are there to be done physically. Hence at initial stages this button will allow the Manager to add diff sections of their centre and connect with them.
- ➤ Here connect refer to showing the status of processing in abstract.

7) Optimized Decision:
- ➤ This feature will take input dataset as like csv file (xl file containing data obtained from analysing the ewaste in relational tabular form) and feed this data set into machine learning model which will process on that model and give op as string array of actions on each of data set entry.

8) Sell board:
  - ➢ This option will show the list of items from e-waste's that are chosen and eligible for selling and this list can be shared with diff companies for regulated selling.
  - ➢ All the entries here are associated with unique ids of their parent e-waste so as to keep track of revenue each of them generates.
  - ➢ This will list items, fully working product or the precious metals (Extracted during recycling phase.)

9) Data Processor and publisher:
  - ➢ This feature will monitor all the data collected throughout the ewaste processing journey in a cyclic manner like time base e.g., monthly, weekly etc. or milestone based e.g., after every 100 or 1000 ewaste processes.
  - ➢ After monitoring it will process data and represent that data in visualized manner for publishing.

10) Optimized Landfill:
  - ➢ This will take the landfills and their state into consideration and select best one depending on current situation.

User permission required:
  1) SMS and Call
  2) Internet Access
  3) Location info (Optional)
  4) Camera (in later versions at user app)
  5) UPI info basic (Optional)