

Project Synopsis/Project Concept Document (Due: 25th January)

Project number	38
Project Title	Offline Data Collection and Cleaning App for Development Projects
Document	DASS Project Concept Document
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Description

To create a mobile application that can be used to fill surveys in remote areas where internet connection is not available. The data should be synced once the internet connection is back on. The form should implement skip logic, conditional logic and data validation to reduce redundancy and time spent on data cleaning.

There should also be a corresponding website for the mobile application that helps with form creation, data organization and analysis.

Profile of Users

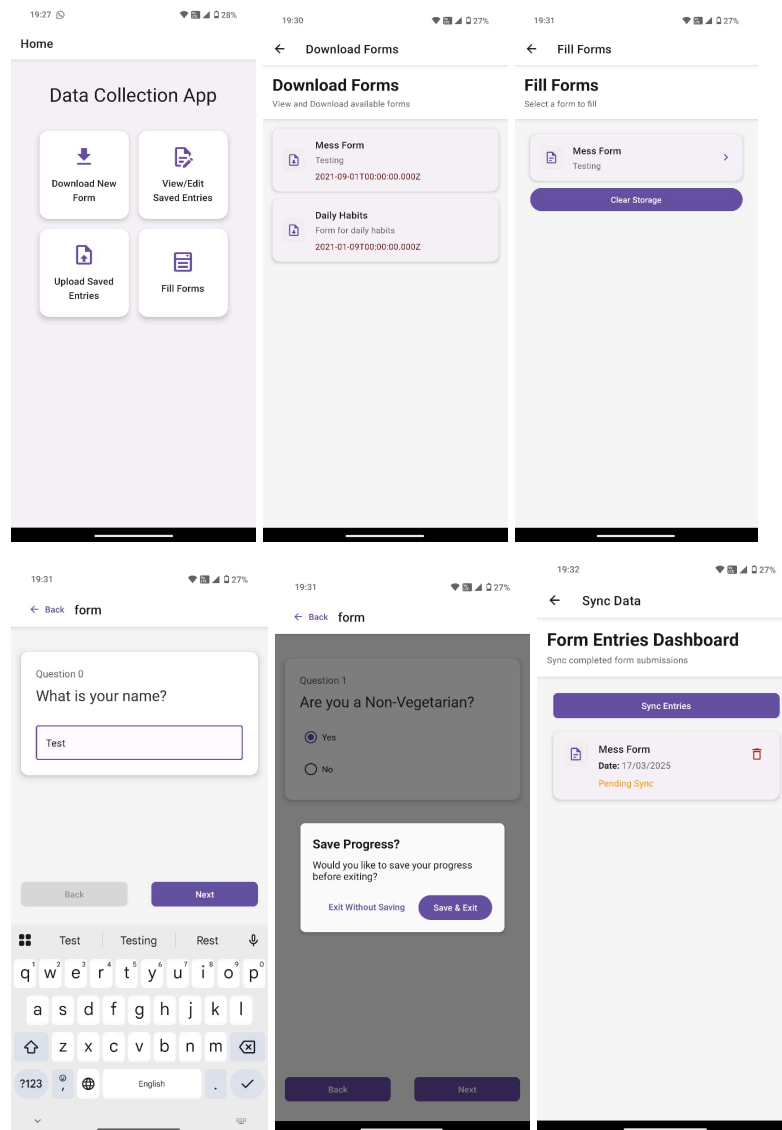
- (1) Person filling the form on behalf of others (Field Collectors)
 - Should be able to fill the form multiple times
 - Is aware of some specifics about the app like presence of skip/conditional logic
 - Understands the usage of the technology and how MCQs work
 - May not know English
- (2) Data Analysts for data cleaning and analysis
 - Requires an intuitive way of visualising data
- (3) Someone who is creating the form itself
 - Expects a simple interface (method) to add skip/conditional logic in the questions through an excel sheet

Usage Model and Diagrams (if any)

At the moment the client has asked for two views.

1. Form filling view - mobile app
 - Users can download forms when an internet connection is available.
 - The downloaded forms are stored locally on the mobile device.
 - Once a user begins filling out a form, they can save their progress and edit it later.

- Upon completing the form, responses are stored locally. Users have the option to sync their responses with the database when they regain internet connectivity.
- Once synced, the responses are removed from local storage.



2. Admin view for form creation and data analysis - responsive website

- Users log in to the website.
- They download a template that provides clear instructions on the format and syntax for skip/conditional logic.
- After modifying the template, they upload the final form.
- Users can view and visualize the response data.

WorkspacesApplications

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React App

localhost:3000

New Chrome available

Form Management Dashboard

Form Management

Upload New Form




SELECT EXCEL FILE

UPLOAD FORM

DOWNLOAD TEMPLATE

The Excel file should have a "Settings" sheet with form metadata and a "Questionnaire" sheet with questions.

Uploaded Forms

Title	Description	Created Date	Questions	Actions
 Mess Form	Testing	13/03/2025	10	
 Daily Habits	Form for daily habits	17/03/2025	7	