



E - RATION


TEAM NAME – *DATA PIRATES*



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ABSTRACT

- The novel coronavirus has rapidly spread across the country and affected nearly everyone in the wake of its destruction, but the poorest, and the needy, have been hit the worst.
 - It is during these times that human empathy and tech have come together to create model solutions.
 - The Tamil Nadu Government provides essentials commodities every month and also provides financial support of RS. 1000/- at times during the pandemic situations to all the ration card holders.
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- During this pandemic, it is really difficult for the ration card holders to stand in the queue in front of the ration shops to collect their monthly ration pack.
 - When the ration card holders form a queue in front of the ration shops to collect the monthly ration packs, it is considered as violating the rules of “Social Distancing.”
 - Moreover, when all the ration card holders jostle for space and defy social-distancing norms it off course increases the chances of more people getting affected to the novel coronavirus.
 - Apart from this pandemic, people who are aged wouldn't be able to stand in the queue for a long while to get the ration packs on the monthly basis.


Public Crowded in Ration Shops



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- To eradicate the queue formed in front of the ration shops, we are proposing an “E – Ration app” which will provide different slots timings for each of the ration card holder.
 - The particular ration card holder can book the slot timings to collect the ration pack for that particular month as he/she prefers.
 - The dates on which the ration packs are given to the people will be specified and notified in the “E – Ration app” 24 hours in advance.
 - According to the dates specified in the app, the ration card holders can book their slots so that they can collect the ration packs without any chaos






INTRODUCTION



- As it is very difficult to stand in the queue and collect the ration pack every month, we have our “E - Ration” app into play.
 - With the “E – Ration ” app being installed in the ration card holders phone, they will get notified with all the essential commodities (Rice, Cooking Oil, Sugar) being offered to the people.
 - The app will notify the dates on which the ration packs are issued and the people can book the date and time on which they prefer to collect the ration packs.
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FACILITIES IN THE APP

- The “E - Ration” app has the facility to *book slots* for each and every ration card holder.
 - The ration card holder can book the slot in which he/she prefers to collect the ration packs *24 hours in advance*.
 - If the person has booked the slot, but unable to collect the ration pack at the specified slot, then the person can *reschedule the slot* to another date and time.
 - The ration card holders are also given with an option to *cancel the slot* booked within *10 hours* of the booking.
 - This “E - Ration” app is *applicable* to the ration card holders of *each and every state*.
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- All of the *news related to ration shops* in different states will be *notified* up to date and immediately in the app.
 - If the user, misplaces his/her ration card, then for temporary purposes, the *duplicate copy of the ration card* can be generated to the user. The user needs to enter the ration card number and other details to get the duplicate copy of the ration card.
 - The “E - Ration” app also has the facility to *contact the person* responsible for a particular *ration shop ward*.
 - During festival times, if the ration shops are providing any kind of *funds and clothing to the poor and needy*, that will also be notified immediately in the app and all the ration card holders can collect it by booking slots.

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- The “E - Ration” app can also be used by the people in the villages. The app has a facility of sending *voice messages*.
 - People in the villages who are unable to book the slots by clicking on the check boxes and typing can definitely send voice messages to the concerned ration shops about their slot availability.
 - The “E – Ration ” app also has the *call facility*. People who are unable to either type or send voice messages, can just make a call by clicking on the call button in the app to book their availability.

DETAILS NEEDED TO BE ENTERED BY THE USER IN THE APP

- The user is expected to give some initial details, so that they can access the app in a full swing without any disturbances.

1) PERSONAL DETAILS

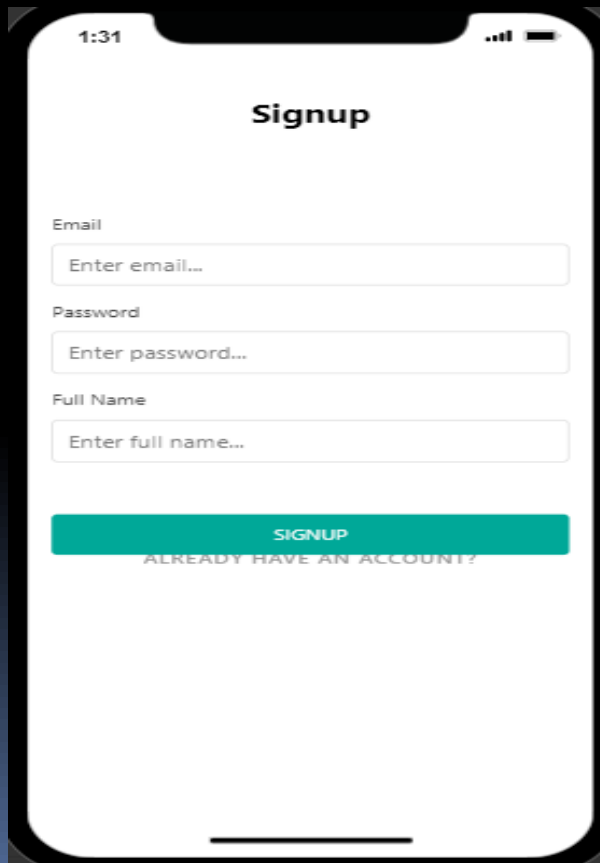
- Select State
- Name
- Fathers name
- Gender
- Age
- Date of Birth
- Address
- Phone Number

2) RATION CARD DETAILS

- Ration card Number
- Name of Head of Family, No of members in family
- Aadhaar Number ID
- Birth of Date
- State and Country
- Ward Number
- Street Number
- Old House Number
- New House Number
- Ration Shop Number
- Name of the Ration Shop
- Ration Registered Number
- Type of Ration Card (Rice, Sugar, Wheat)

ROADMAP TO OUR APP

- Login / Sign-up Page



1:31

Signup

Email

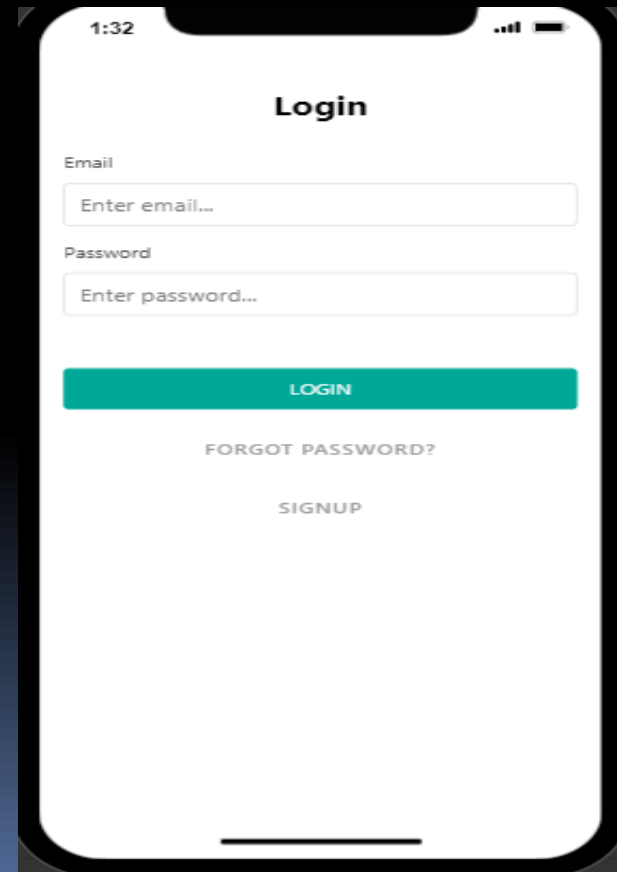
Password

Full Name

SIGNUP

ALREADY HAVE AN ACCOUNT?

This mockup shows a mobile app interface for a signup page. The status bar at the top shows the time as 1:31 and signal strength. The page title is 'Signup'. There are three input fields: 'Email' with placeholder text 'Enter email...', 'Password' with placeholder text 'Enter password...', and 'Full Name' with placeholder text 'Enter full name...'. Below the input fields is a large teal button labeled 'SIGNUP'. At the bottom, there is a link that says 'ALREADY HAVE AN ACCOUNT?'.



1:32

Login

Email

Password

LOGIN

[FORGOT PASSWORD?](#)

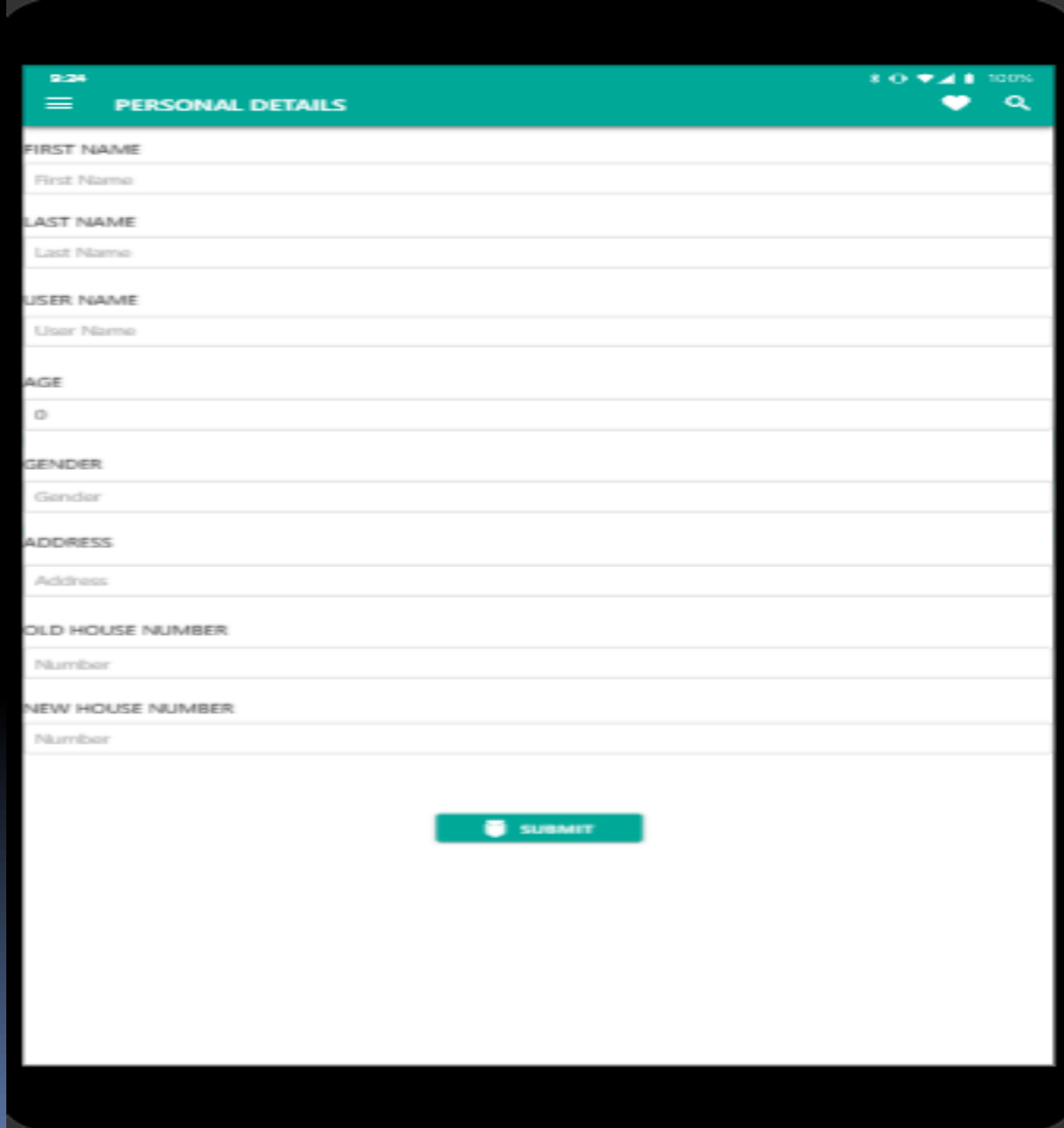
[SIGNUP](#)

This mockup shows a mobile app interface for a login page. The status bar at the top shows the time as 1:32 and signal strength. The page title is 'Login'. There are two input fields: 'Email' with placeholder text 'Enter email...' and 'Password' with placeholder text 'Enter password...'. Below the input fields is a large teal button labeled 'LOGIN'. Below the button are two links: 'FORGOT PASSWORD?' and 'SIGNUP'.

- Home Page of our App



- Personal Details to be filled in the App



The screenshot displays a mobile application interface for entering personal details. The app has a teal header bar with the title 'PERSONAL DETAILS' and a hamburger menu icon on the left. The status bar at the top shows the time as 9:34 and 100% battery. The form consists of several input fields, each with a label and a placeholder text:

- FIRST NAME**: Placeholder 'First Name'
- LAST NAME**: Placeholder 'Last Name'
- USER NAME**: Placeholder 'User Name'
- AGE**: Placeholder '0'
- GENDER**: Placeholder 'Gender'
- ADDRESS**: Placeholder 'Address'
- OLD HOUSE NUMBER**: Placeholder 'Number'
- NEW HOUSE NUMBER**: Placeholder 'Number'

At the bottom of the form is a teal 'SUBMIT' button with a white shield icon.

- Ration Card Details to be filled in the App

The screenshot shows a mobile application interface for entering Ration Card details. The app is running on an Android device, as indicated by the status bar at the top showing the time 9:25, a back arrow, and various system icons including signal strength, Wi-Fi, and a 100% battery level. The title bar of the app is teal and contains a back arrow on the left and the text "RATION CARD DETAILS" in the center. The form itself is white and contains several input fields, each with a label and a placeholder text. The fields are: "RATION CARD NUMBER" with placeholder "Ration Card Number", "NAME OF HEAD OF FAMILY" with placeholder "Name", "NUMBER OF MEMBERS IN FAMILY" with placeholder "Number", "DATE OF BIRTH" with no placeholder, "STATE" with placeholder "Enter your State", "WARD NUMBER" with placeholder "Ward Number", "RATION REGISTERED NUMBER" with placeholder "Number", "NAME OF RATION SHOP" with placeholder "Name of Ration Shop", "RATION SHOP NUMBER" with placeholder "Ration Shop Number", and "TYPE OF RATION CARD" with placeholder "Rice, Sugar, Wheat etc...". At the bottom of the form is a teal button with a white shield icon and the text "SUBMIT".

9:25

← RATION CARD DETAILS

RATION CARD NUMBER
Ration Card Number

NAME OF HEAD OF FAMILY
Name

NUMBER OF MEMBERS IN FAMILY
Number

DATE OF BIRTH

STATE
Enter your State


WARD NUMBER
Ward Number

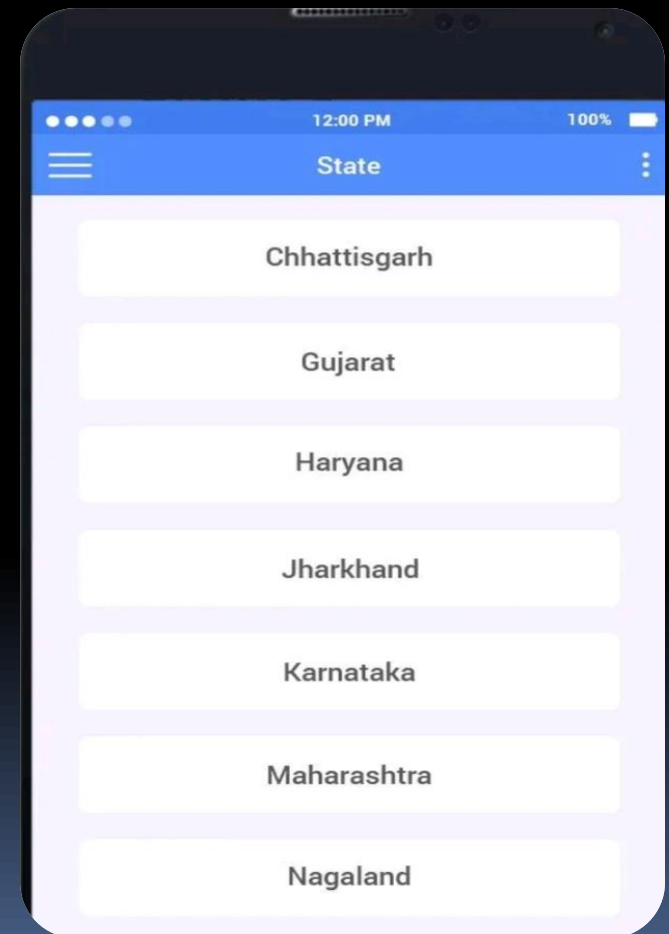
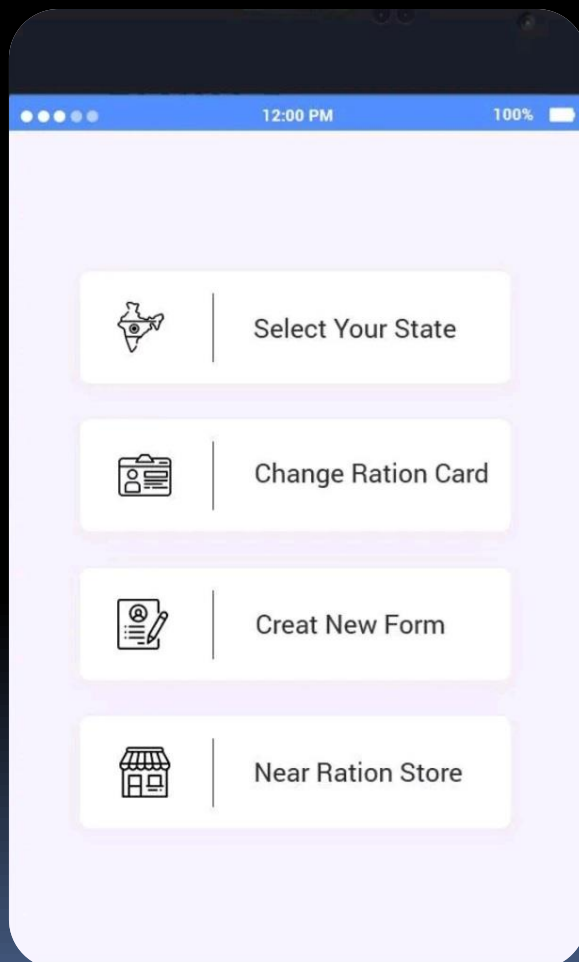
RATION REGISTERED NUMBER
Number

NAME OF RATION SHOP
Name of Ration Shop

RATION SHOP NUMBER
Ration Shop Number

TYPE OF RATION CARD
Rice, Sugar, Wheat etc...

 SUBMIT



- Booking Slots to collect the Monthly Ration Packs

9:55

BOOK SLOTS TO COLLECT RATION PACKS

DATE IN WHICH YOU ARE AVAILABLE

00/00/0000

DAY IN WHICH YOU ARE AVAILABLE

Enter any Day

TIME IN WHICH YOU ARE AVAILABLE

Enter the Time

AM / PM

AM/PM

EMAIL ID TO GET CONFIRMATION OF THE SLOT

Email

PHONE NUMBER

Number

SUBMIT

12:00 PM 100%

Form

Search By Details

Search By Epic No.

Name

Father Name

Select State

Andhra Pradesh

Gender

Male

Age

Select Age From List

12:00 PM 100%

Download Form

Ration Card Number

Name Of Head Of Family

Aadhaar No ID

Birth Of Date

State & Country

Next



Entitlement

 2	 2	Entitled Qty	Balance Qty
Rice		100 Kgs	50 Kgs
Sugar		100 Kgs	50 Kgs
Weat		100 Kgs	50 Kgs
Oil		100 Kgs	50 Kgs
Kerosene		100 Kgs	50 Kgs

Select Month

JUNE

2015



01234567889



05 June 2015:11.00:AM

Rice

20 Kgs

Rs.100.00

Sugar

20 Kgs

Rs.50.00



150.00




TOOLS USED TO CRAFT OUR APP

- The following technologies, frameworks and methodologies are the tools that we use to craft our app.
 - 1) IOS: Objective-C, HTML 5, CSS
 - 2) Android: Java for Android
 - 3) Back-end and Web: PHP, AngularJS, Node.JS
 - 4) Database solutions: MySQL



ADVANTAGES OF E – RATION APP

- Eradicates the formation of queue in front of the ration shop.
 - Makes the people follow the rules of social distancing and quarantine.
 - Makes people's work easier and eliminates the time that is spent in front of the ration shops.
 - Users of the app can easily book their respective slots without any struggle.
 - A particular slot can be booked by five ration card holders.
 - Only five ration card holders are allowed to get into the ration shops to collect the ration packs.
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Thank

you

