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# 1. GENERAL INSTRUCTIONS

- Please carefully read all the pages of the assignment.

- You can seek help from the Internet or anyone for learning and reference purpose.

- Do not copy the content as it is, use your genuineness and creativity.

- Any kind of plagiarism is highly prohibited.

- At any time if you need any clarifications, please do not hesitate to contact (using same email you received this assignment).

- Completed assignment must be committed to GitHub repo at regular intervals to show the incremental working history.

- Above assignment repo URL must be shared with public access through the email in which you received this assignment.

- Daily work progress needs to be send everyday by email in which you received this assignment. **THIS IS IMPORTANT**

   It must follow the following format.

   **For example:**

   subject: [Assignment update-day-1][YOUR_NAME]

   Hello Shan,

   I have completed research on the following topics

- Please note that Daily work progress report sending is more important than the actual work progress.

# 2. ASSIGNMENT EXPECTATIONS

• Should solved all four requirements.

• Should able to show a demo of the working solution locally by sharing a screen (discussion will be scheduled after assignment submission).

• Should be able to articulate their code logic and design clearly.

• Should know every bit of their source code.

• Should be able to debug the code by keeping breakpoints.

• Should be able to demonstrate source code versioning history in Github.

# 3. PROBLEM STATEMENT

- Develop web based front-end for the following RED-GREEN memory game

    - Refer the requirements section as the game self explanatory.

- **Technology preference**

    - Use any one of the following technology

        - React.js + HTML + CSS

        - Plain Vanilla JS + HTML + CSS

        - Angular + HTML + CSS

        - Vue.js + HTML + CSS


- For API Mocking, JSON-server or any other library of your choice.

## 3. PROBLEM STATEMENT – JSON format

```json
[
  {
    "type": "city",
    "name": "chennai",
    "id": "1"
  },
  {
    "type": "country",
    "name": "Australia",
    "id": "2"
  },
  {
    "type": "city",
    "name": "London",
    "id": "3"
  },
  {
    "type": "country",
    "name": "France",
    "id": "4"
  },
  {
    "type": "country",
    "name": "USA",
    "id": "5"
  },
  {
    "type": "city",
    "name": "Melbourne",
    "id": "6"
  },
  {
    "type": "city",
    "name": "Toronto",
    "id": "7"
  },
  {
    "type": "country",
    "name": "Sweden",
    "id": "8"
  },
```

## 3. PROBLEM STATEMENT – Card Type with Icons

| Card UX | Card Type name | Card Icon Name from MaterialUI. Here given for the reference purpose only. You are free to use any UI library for icons. And also even Icons itself you are free to use anything but ensure icons are unique for each nodes. |
| --- | --- | --- |
| 🏢 | City | Location City |
| 🚩 | Country | Flag |

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| Requirement -1 | By default, application must show the below screen, 5*3 matrix |
|---|---|

PLAY

REQUIREMENT 1

1. Once PLAY button is clicked, button text must changed to STOP
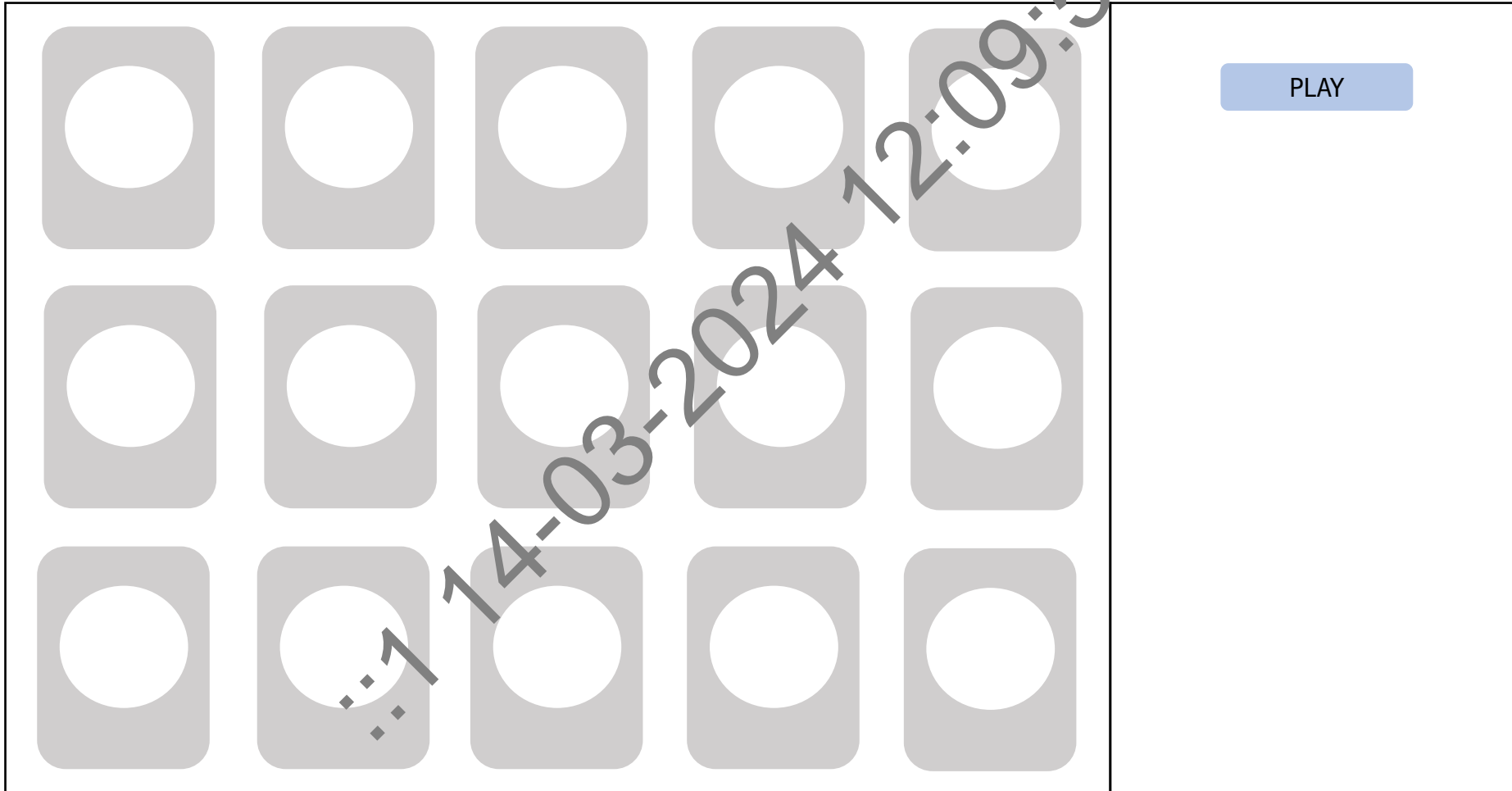
User must see and remember the colour of city and country

4. Set the timer for 3 seconds with UI as shown below

| | | | | | |
|---|---|---|---|---|---|
| 🏢 CHENNAI | 🚩 AUSTRALIA | 🏢 LONDON | 🚩 FRANCE | 🚩 USA | STOP |
| 🏢 MELBOURNE | 🏢 TORONTO | 🚩 SWEDEN | 🏢 BERLIN | 🚩 UAE | **3** |
| 🏢 PARIS | 🚩 UK | 🏢 BENGALURU | 🚩 EGYPT | 🏢 AMSTERDAM | |

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User must see and remember the colour of city and country

1. Once PLAY button is clicked, button text must be changed to STOP

3. Set the timer for 3 seconds with UI as shown below

| | | | | |
|---|---|---|---|---|
| CHENNAI | AUSTRALIA | LONDON | FRANCE | USA |
| MELBOURNE | TORONTO | SWEDEN | BERLIN | UAE |
| PARIS | UK | BENGALURU | EGYPT | AMSTERDAM |

STOP

2

10

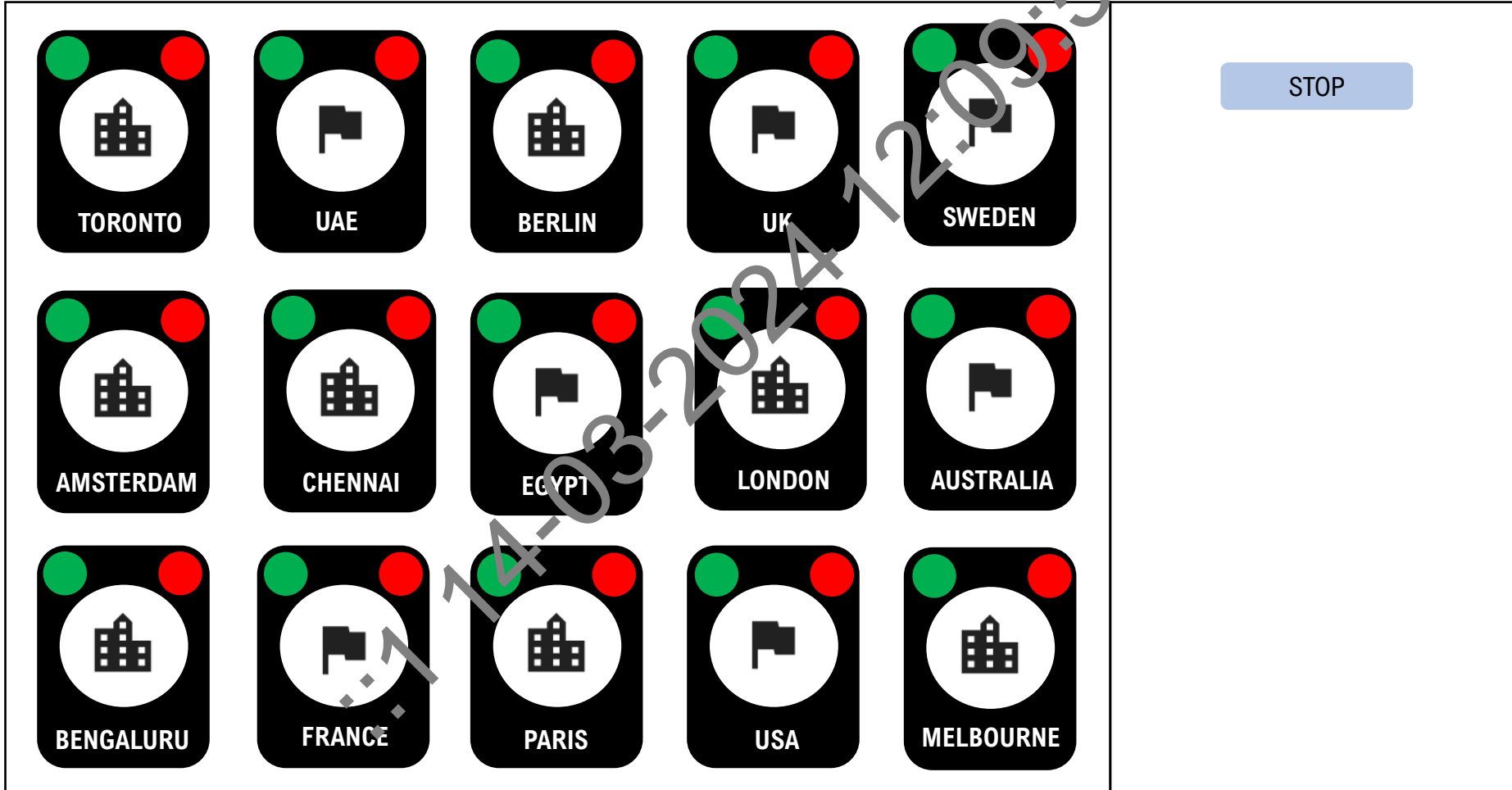User must see with 3 seconds and recollect later
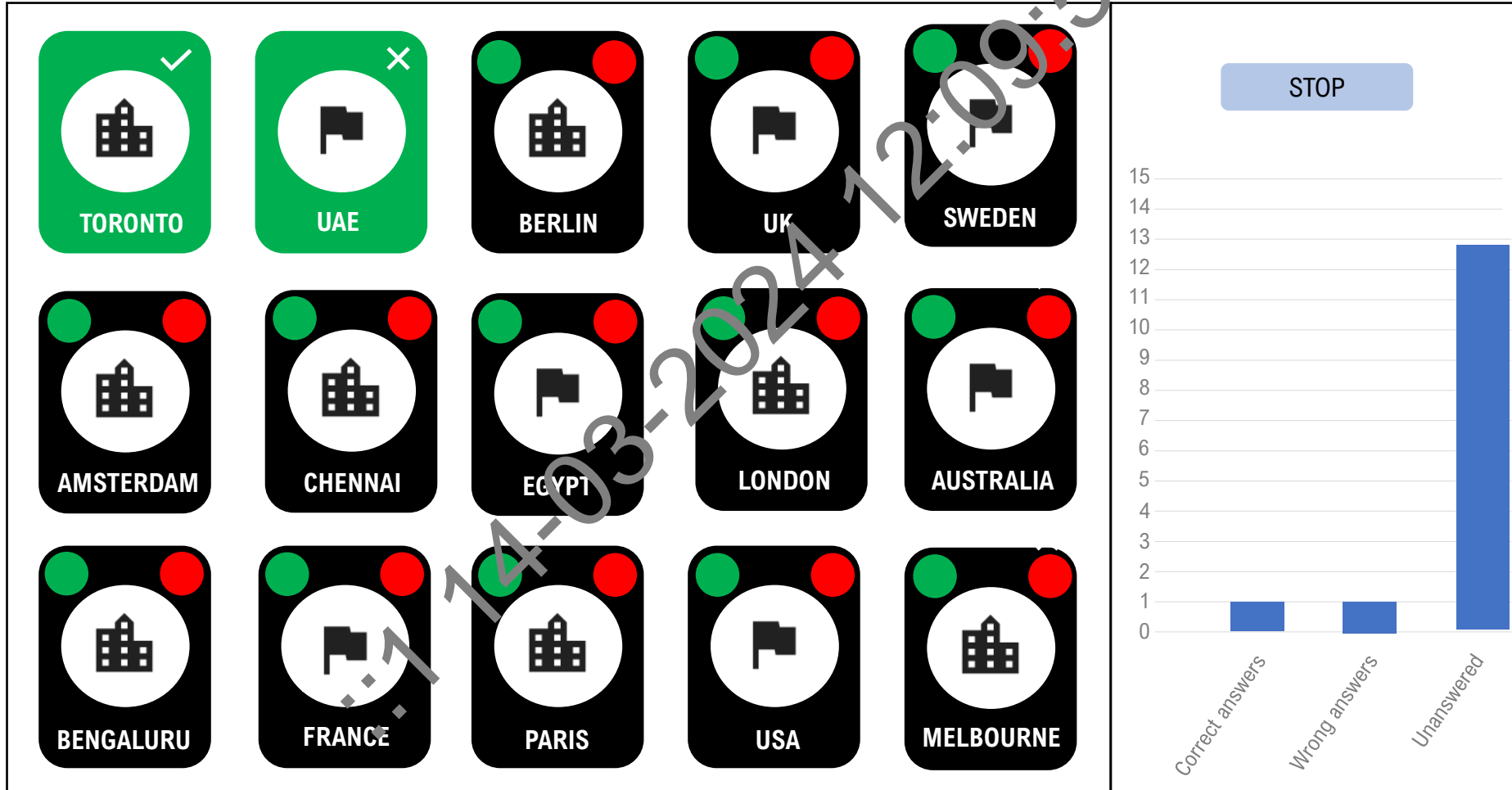
3. Set the timer for 3 seconds with UI as shown below

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After 3 seconds, UI must be as shown below. All the text position must shuffled and the card colour must be changed to black.

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Try to improve this memory game with more colour, cards and more categories. Apply your creativity.

| Requirement -5 | Create your own generic data and ensure all requirements are working |

# This is optional requirement, work on this one only if you have successfully completed all the four requirements.

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Good Luck

HAVE FUN!

# FIRST PAGE

Electronic Reservation Slip     IRCTC E-Ticketing Agent

- **You can travel on e-ticket sent on SMS along with any one of the prescribed ID in original. Please do not print the ERS unless extremely necessary. This Ticket will be valid with an ID proof in original. If found traveling without original ID proof, passenger will be treated as without ticket and charged as per extent Railway Rules.**

- **Only confirmed/RAC/Partially confirmed E-ticket is valid for travel. Fully Waitlisted E-ticket is invalid for travel if it remains fully waitlisted after preparation of chart and the refund of the booking amount shall be credited to the account used for payment for booking of the ticket. Travelling on a fully waitlisted e-ticket is illegal.**

- **Valid IDs to be presented during train journey by one of the passenger booked on an e-ticket:- Voter Identity Card / Passport / PAN Card / Driving License / Photo ID card issued by Central / State Govt / Public Sector Undertakings of State / Central Government ,District Administrations , Municipal bodies and Panchayat Administrations which are having serial number / Student Identity Card with photograph issued by recognized School or College for their students / Nationalized Bank Passbook with photograph /Credit Cards issued by Banks with laminated photograph/Unique Identification Card "Aadhaar", m-Aadhaar, e-Aadhaar.**

- **General rules/ Information for e-ticket passenger have to be studied by the customer for cancellation & refund. Details available on http://contents.irctc.co.in/en/eticketCancel.html**

| Travel_Type: CV | Journey_Type: Return | Booking_Type: Normal/Via Route |
|---|---|---|
| **PNR No.: 6628091118** | Train No. & Name: 12505/NORTHEAST EXP | Quota: General |
| **Transaction ID: 100004588052849** | Date & Time of Booking: 16-Nov-2023 14:31:45 PM | Class Of Travel: 3A |
| From: KAMAKHYA(KYQ) | Date of Journey: 23-Dec-2023 | To: ANAND VIHAR TRM(ANVT) |
| Boarding: KAMAKHYA(KYQ) | Date of Boarding: 14-Jun-0029 | Scheduled Departure: 23-Dec-2023 12:40* |
| Resv. Up to: ANAND VIHAR TRM(ANVT) | Scheduled Arrival: 21:50 | Adult :02 Child :00 Senior :00 |
| Passenger Mobile No: 8979666127 | Distance: 1856 KM | |
| **Passenger Address:-Defence Travel System c/o CDA (DTS),New Delhi-11 060** | | |

**FARE DETAILS:**

| 1 | Ticket Fare ** | Rs. 3960.0 | Rupees Three Thousand Nine Hundred Sixty   Only |
|---|---|---|---|
| 2 | IRCTCService Charges # | Rs. 35.4 | Rupees Thirty Five  and Four  Paisa Only |
| 3 | Total## | Rs. 3995.4 | Rupees Three Thousand Nine Hundred Ninety Five  and Four  Paisa Only |

** Inclusive of GST - Rs/- 188 Only

# Service Charges per e-ticket irrespective of number of passengers on the ticket.

**PASSENGER DETAILS:**

| SNO. | Name | Age | Sex | Concession code | Booking Status/Current Status/Coach No/Seat No |
|---|---|---|---|---|---|
| 1 | Sanjib Kumar Si | 35 | Male | | CNF/CNF/ B1/ 49/ LB |
| 2 | Anjali Singha | 34 | Female | | CNF/CNF/ B1/ 52/ LB |

**AGENT DETAILS:**

| Principal Agent : PCDA Travel | | Corporate Name : PCDA Travel | |
|---|---|---|---|
| Agent Name : PCDA Travel | Email ID : helpdesk@pcdatravel.gov.in | | Phone No : 011-26700300 |
| Address : Defence Travel System c/o CDA (DTS), East Block 10, Level 1, R.K. Puram, New Delhi-110066 | | | |

**Note:**

| Amount Deductible from IRLA* | Rs. 2235.0 |
|---|---|
| *This is an approximate amount calculated at the time of Booking. | |

**IMPORTANT:**

- **For details, rules and terms & conditions of E-Ticketing services, please visit www.irctc.co.in.**
- **Departure time and Arrival Time printed on this ERS and VRM sent through mail are liable to change. Please check correct departure, arrival from Railway Station Enquiry, Dial 139 or SMS RAIL to 139.**
- **There are amendments in certain provision of Refund Rules. Refer Amended Refund Rules w.e.f. 12-Nov-2015. (Details available on www.irctc.co.in under heading Refund Rules at the bottom)**
- **The accommodation booked is not transferable and is valid only if the ORIGINAL ID card prescribed is presented during the journey. The SMS/ERS along with valid ID card of any one the passenger booked on e-ticket proof in original would be verified by TTE with the name and PNR on the chart. If the Passenger fail to produced/display SMS/ERS due to any eventuality(loss, damaged mobile/laptop etc.) but has the prescribed original proof of identity, a penalty of Rs.50/- per ticket as applicable to such cases will be levied. The ticket checking staff on board/off board will give excess fare ticket for the same.**
- **E-ticket cancellations are permitted through www.irctc.co.in by the user.**
- **PNRs having fully waitlisted status will be dropped and the names of the passengers on such tickets will not appear on the chart. They are not allowed to board the train. However the names of PARTIALLY waitlisted/confirmed and RAC ticket passenger will appear in the chart.**
- **Obtain certificate from the TTE /Conductor in case of (a) PARTIALLY waitlisted e-ticket when LESS NO. OF PASSENGERS travel, (b) A.C.FAILURE,**

confirmed ticket after four hours before the scheduled departure of train.

- RAC/partially confirmed Ticket can be cancelled up to thirty minutes before scheduled departure of the train. However, refund will be granted as per provisions of extant Railway Refund Rule.
- In case of Train Cancellation on its entire run, full refund will be granted automatically by the System. However, if the train is cancelled partially on its run, passengers are required to file TDR within 72hrs from schedule departure of the train from the passenger's boarding station.
- Passengers are advised not to carry inflammable/dangerous/explosive/articles as part of their luggage and also to desist from smoking in the trains.
- Contact us on: - 24*7 Hrs Customer Support at 0755-6610661, 0755-4090600 or Mail To: care@irctc.co.in.
- Variety of meals available in more than 1500 trains. For delivery of meal of your choice on your seat log on to www.ecatering.irctc.co.in or call 1323 Toll Free. For any suggestions/complaints related to Catering services, contact Toll Free No. 1800-111-321 (07.00 hrs to 22.00 hrs)
- FOR MEDICAL EMERGENCY/FIRST AID, CONTACT TICKET CHECKING STAFF/GUARD OR DIAL 138.(ALL India Passenger Helpline No. 138)
- PNR and train arrival/departure enquiry no. 139
- To report unsavory situation during journey, Please dial railway security helpline no. 182

### General Rules/ Information for E-ticket passengers

a) **Status of E-tickets after Chart preparation :**

1. Confirmed E ticket E-ticket where all passengers are confirmed.

2. Partially waitlist/Confirmed/RAC E ticket E-ticket where some passengers are confirmed/ RAC and other wait-listed.

3. Fully waitlisted E tickets E-ticket where all passengers are waitlisted.

b) **Authorization to board the train :**

1. Confirmed E ticket E-ticket where all passengers are confirmed.

2. Name of passengers with Partially Waitlisted /Confirmed/RAC will appear on the chart (including the waitlisted passenger on the partially waitlist ticket).

c) **Cancellation and refund rules :**

1. Confirmed E-ticket before chart preparation: E-ticket can be cancelled online and the amount will be refunded electronically to the respective agent's account used for booking.

2. Confirmed E-ticket after chart preparation: Cancellation/ refund request received after preparation of chart are forwarded by IRCTC to concerned railway for manual processing. Refund amount received from concerned railway will be credited back to the respective agent's account used for booking by IRCTC.

3. Partially waitlisted E-ticket before chart preparation: E-ticket can be cancelled online and the amount will be refunded electronically to the respective agent's account used for booking.

4. Partially waitlisted E-ticket after chart preparation: E-ticket cannot be cancelled online after chart preparation. Partially waitlisted e-ticket holder where part passengers have travelled and want to claim refund for passengers who have not travelled is required to send the original certificate issued by TTE / Conductor in lieu of the same to IRCTC after filing online refund request through the respective agent. The partially waitlisted e-ticket holder where no passengers have travelled and wants to claim refund is required to file online refund request through the respective agent. It would then be forwarded to concerned railway and refund received from Railways would be credited back electronically to the respective agent's account used for booking by IRCTC.

5. If the ticket is partially waitlisted/ Confirmed/ RAC at remote location chart preparation then E-ticket cannot be cancelled online. It is required to file refund request online for claiming refund through the respective agent. It would then be processed offline and refund received from Railways would be credited back electronically the respective agent's account used for booking by IRCTC.

d) **Dynamic fare pricing :**

Dynamic fare stands for the fare component which may be increased with the subsequent bookings in Premium special train.

1. No concession shall be applicable on this train.

2. Only end to end, GN quota bookings will be applicable.

3. Cancellation is not allowed. However, ticket can be cancelled and full refund is admissible if the train is cancelled by Indian Railways.

4. For any reason, if berth cannot be given to passenger by Indian Railways on booked PNR, full refund shall be granted to the passenger through TDR.

5. Agents will not be allowed to book tickets in trains with dynamic pricing.

e) If train is cancelled, E-ticket can be cancelled online up to 3 days from the date of departure of the train through the respective agent's account used for booking.

f) Bank charges, if any, will be payable extra.(For details of bank charges, kindly refer to Terms and Conditions on www.irctc.co.in)

g) The Compartment/ Cabin/ Coupe/ Coach/ Seat numbers for first AC and First class will be allotted at the time of chart preparation.

h) The customer who has opted for auto-up gradation during booking of his/her e-ticket is requested to check the up-gradation chart before boarding the train.

i) **IRCTC Service Charges (Excluding of GST) (not refundable):**

| Class | Service Charges |
|---|---|
| SL/2S | Rs.15.0/- |
| 1AC/2AC/3AC/CC/3E/FC | Rs.30.0/- |

# LAST PAGE

**Cache-Control**

no-cache, no-store, must-revalidate, pre-check=0, post-check=0, max-age=0, s-maxage=0

**Expires**

0

**PHPSESSID**

no-cache

**Pragma**

no-cache

**X-Content-Security-Policy-Report-Only**

default-src 'self'; script-src 'self';

**X-Content-Type-Options**

nosniff

**X-Frame-Options**

DENY

**X-XSS-Protection**

1; mode=block

**Strict-Transport-Security**

Max-age=31536000

**X-Frame-Options**

SAMEORIGIN

2.      "right click on my computer" go to "advance menu" then go to "environment variables" then

3.      NOW CONFIGURE ON IIS SETTING.

4.      NOW GO TO "HANDLER MAPPINGS" THEN GO TO "ADD MODULE MAPPING" then "see" the screenshot ppt file for setup.

5.      IF CGI IS NOT CONFIGURE THEN GO TO "CONTROL PANEL" THEN GO TO "PROGRAMS AND FEATURE" THEN GO TO "TURN WINDOWS FEATURES ON OR OFF" THEN GO TO "INTERNET INFORMATION SERVICES" THEN GO TO "WORLD WIDE WEB SERVICES" THEN GO TO "APPLICATION DEVELOPMENT FEATURES" THEN "(TICK)" ON "CGI" THEN CLICK ON "OK".


**To disable 3DES encryption on Windows Server 2019, you can follow these steps:**

1. Open the Registry Editor: Press Windows + R, type in "regedit" and press Enter.
2. Navigate to the following key: HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\SecurityProviders\SCHANNEL\ Ciphers\Triple DES 168
3. Right-click on the key, select "Export," and save the key to a .reg file. This will serve as a backup of the registry in case you need to restore the settings later.
4. Right-click on the "Enabled" value, select "Modify," and change the value data to 0. This will disable 3DES encryption.
5. Restart the computer.


Note: Changing registry values can have serious consequences, and it's always recommended to back up your registry before making any changes.


**3DES Disable steps :-**

(a)  Run the IIS Crypto 3.2 software & select the required TLS.

(b)  After run the IIS software goto HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Security Providers\SCHANNEL\ciphers only AES 256 & AES 128 folder to need. Other folder all are deleted in ciphers folder.

(c) After run the IIS software goto HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Security Providers\SCHANNEL\Hashes only SHA512 folder to need. Other folder all are deleted in hashes folder.

(d) After run the IIS software goto HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Security Providers\SCHANNEL\Keyexchange only PKC folder to need. Other folder all are deleted in keyexchange folder.

(e) After run the IIS software goto HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Security Providers\SCHANNEL\Protocols only SSL2.0, SSL3.0, TLS 1.0, TLS1.1, TLS1.2 folder. Other folder all are deleted in protocols folder.