MAD LAB EXPT 5

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Aim: To apply navigation,routing and gestures in Flutter.

Theory:

In Flutter, navigation, routing, and gestures are essential concepts for creating interactive and navigable user interfaces.

Navigation: Navigation refers to the process of moving between different screens or pages within a Flutter app. Flutter provides the Navigator widget for managing navigation and routing.

Routing:Routing is the mechanism used to define the paths or routes between different screens in your app. Each route typically corresponds to a different widget or screen in your app.

Gesture Detection:Gestures allow users to interact with the app by tapping, dragging, swiping, or performing other touch-based actions. Flutter provides various gesture detection widgets to handle user input.

Code:

```
const info = [
  {
    'name': 'Rahul',
    'message': ' "Kya scene hai, bhai log?" ',
    'time': '4:20 pm',
    'profilePic':
'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTJWo-
QWKz9IFVa8uH9qmESH57YQMcw30jnUMXqQ-eibRdpUo5w1VH6PGktKXLQWAa7FQff&s',
  },
  {
    'name': 'Anjali',
    'message': 'Feeling bored, koi interesting baat karo yaar',
    'time': '3:00 pm',
    'profilePic':
'https://www.socialketchup.in/wp-content/uploads/2020/05/fi-vill-JOHN-
DOE.jpg',
  },
  {
    'name': 'Vishal',
    'message': 'Weekend ka kya plan hai, dosto?',
    'time': '2:45 pm',
    'profilePic':
'https://pbs.twimg.com/profile_images/1419974913260232732/Cy_CUavB.jpg',
```

```
  },
  {
    'name': 'Neha',
    'message': 'Missing the good old days!',
    'time': '1:30 pm',
    'profilePic':

'https://media.cntraveler.com/photos/60596b398f4452dac88c59f8/16:9/w_3999,h_2
249,c_limit/MtFuji-GettyImages-959111140.jpg',
  },
  {
    'name': 'Arjun',
    'message': ' "Chai peelo, bhai log!" ',
    'time': '5:00 pm',
    'profilePic':
    'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTJWo-
QWKz9IFVa8uH9qmESH57YQMcw30jnUMXqQ-eibRdpUo5w1VH6PGktKXLQWAa7FQff&s',
  },
  {
    'name': 'Preeti',
    'message': ' "Kaise ho sab?" ',
    'time': '4:15 pm',
    'profilePic':
    'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTJWo-
QWKz9IFVa8uH9qmESH57YQMcw30jnUMXqQ-eibRdpUo5w1VH6PGktKXLQWAa7FQff&s',
  },
  {
    'name': 'Amit',
    'message': 'Aaj ka weather kaisa hai?',
    'time': '2:10 pm',
    'profilePic':
    'https://pbs.twimg.com/profile_images/1419974913260232732/Cy_CUavB.jpg',
  },
  {
    'name': 'Kavya',
    'message': 'Weekend par koi movie plan karein?',
    'time': '1:45 pm',
    'profilePic':
    'https://www.socialketchup.in/wp-content/uploads/2020/05/fi-vill-JOHN-
DOE.jpg',
  },
  {
    'name': 'Rajat',
    'message': ' "Bhai, kuch interesting batao yaar!" ',
    'time': '3:30 pm',
    'profilePic':
    'https://example.com/rajat_profile_pic.jpg',
  },
  {
    'name': 'Shreya',
    'message': ' "Ghar ka kya scene hai?" ',
    'time': '4:45 pm',
    'profilePic':
    'https://example.com/shreya_profile_pic.jpg',
  },
  {
    'name': 'Vikram',
```
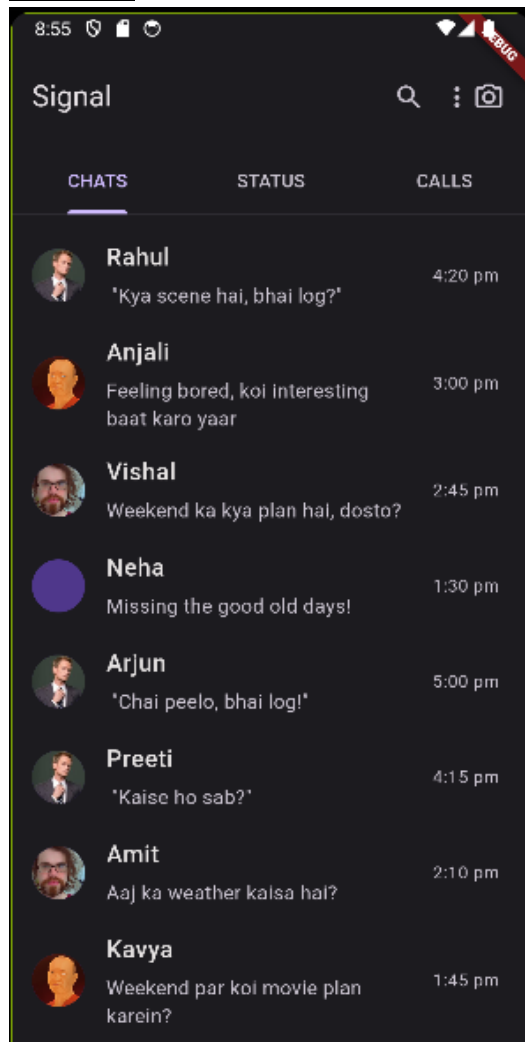
```json
    'message': 'Bhai log, pubg khelte hai!',
    'time': '6:00 pm',
    'profilePic':
    'https://example.com/vikram_profile_pic.jpg',
},
{

    'name': 'Ananya',
    'message': ' "Koi naya joke sunao, yaar!" ',
    'time': '3:15 pm',
    'profilePic':
    'https://example.com/ananya_profile_pic.jpg',
},
{
    'name': 'Aryan',
    'message': 'Weekend par outing plan karo, guys!',
    'time': '2:30 pm',
    'profilePic':
    'https://example.com/aryan_profile_pic.jpg',
},
{
    'name': 'Kritika',
    'message': 'Boring lecture chal raha hai, koi distraction chahiye!',
    'time': '1:15 pm',
    'profilePic':
    'https://example.com/kritika_profile_pic.jpg',
},
{
    'name': 'Sarthak',
    'message': ' "Kuch interesting discuss karte hai!" ',
    'time': '4:50 pm',
    'profilePic':
    'https://example.com/sarthak_profile_pic.jpg',
},
{

    'name': 'Tanvi',
    'message': 'Bhai log, kaun kaun online hai?',
    'time': '3:10 pm',
    'profilePic':
    'https://example.com/tanvi_profile_pic.jpg',
},
{
    'name': 'Rohan',
    'message': 'Koi new music suggest karo, yaar!',
    'time': '2:00 pm',
    'profilePic':
    'https://example.com/rohan_profile_pic.jpg',
},
{
    'name': 'Shivani',
    'message': 'Missing the canteen wale maggi!',
    'time': '1:40 pm',
    'profilePic':
    'https://example.com/shivani_profile_pic.jpg',
},
{
    'name': 'Alok',
    'message': ' "Aaj kya special hai?" ',
```

```
    'time': '4:35 pm',
    'profilePic':
    'https://example.com/alok_profile_pic.jpg',
  },
  {
    'name': 'Nidhi',
    'message': 'Weekend par koi trip plan karo, guys!',
    'time': '5:15 pm',
    'profilePic':
    'https://example.com/nidhi_profile_pic.jpg',
  },
];
```

Output:

Conclusion: Navigation,routing and gestures have been applied in Flutter Application.