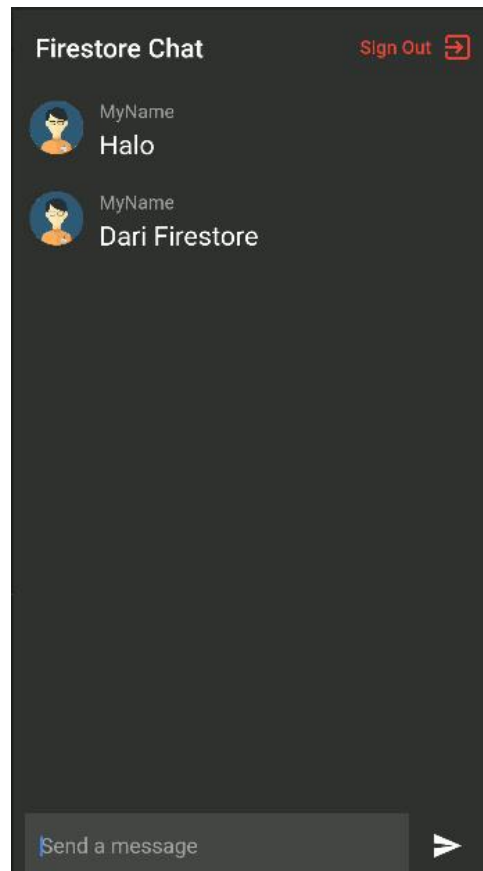


Chat Menggunakan Firestore



Package yang digunakan di dalam Pubspec:

- cloud_firestore
- firebase_auth
- google_sign_in

Dark Mode theme:

```
void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      theme: ThemeData.dark(),
      home: LoginPage(),
    ); // MaterialApp
  }
}
```

Code:

```
6 class Chatscreen extends StatefulWidget {
7   @override
8   _ChatscreenState createState() => _ChatscreenState();
9 }
10
11 class _ChatscreenState extends State<Chatscreen> {
12   String id;
13
14   final TextEditingController _textController = TextEditingController();
15   final _formKey = GlobalKey<FormState>();
16   String name;
17   String _yourName = "MyName";
18
19   Container buildItem(DocumentSnapshot doc) {
20     return Container(
21       child: Padding(
22         padding: const EdgeInsets.all(12.0),
23         child: Row(
24           crossAxisAlignment: CrossAxisAlignment.start,
25           children: <Widget>[
26             CircleAvatar(
27               backgroundColor: Colors.red,
28               backgroundImage: NetworkImage(
29                 "https://f0.pngfuel.com/png/980/886/male-portrait-avatar-png-clip-art.png",
30               ), // NetworkImage
31             ), // CircleAvatar
32             SizedBox(width: 12),
33             Column(
34               crossAxisAlignment: CrossAxisAlignment.start,
35               children: <Widget>[
36                 Text(
37                   _yourName,
38                   style: TextStyle(color: Colors.white54),
39                 ), // Text
40                 Container(
41                   margin: const EdgeInsets.only(top: 5.0),
42                   child: Text(
43                     '${doc.data['name']}',
44                     style: TextStyle(fontSize: 20.0),
45                   ), // Text
46                 ), // Text
47               ], // <Widget>[]
48             ), // Column
49             SizedBox(height: 12),
50           ], // <Widget>[]
51         ), // Row
52       ), // Padding
53     ); // Container
54   }
55
56   @override
57   Widget build(BuildContext context) {
58     return Scaffold(
59       appBar: AppBar( // AppBar
60       body: Column(
61         children: <Widget>[
62           Flexible(
63             child: StreamBuilder<QuerySnapshot>(
64               stream: Firestore.instance.collection('Message').snapshots(),
65               builder: (context, snapshot) {
66                 if (snapshot.hasData) {
67                   return Column(
68                     children: snapshot.data.documents
69                       .map((doc) => buildItem(doc))
70                       .toList()); // Column
71                 } else {
72                   return SizedBox();
73                 }
74             ), // StreamBuilder
75           ), // Flexible
76           Container(
77             margin: const EdgeInsets.symmetric(horizontal: 8.0),
78             child: Row(
79               children: <Widget>[
80                 Flexible(
81                   child: Form(
```

Code:

```
111         child: Form(
112           key: _formKey,
113           child: buildTextFormField(),
114         ), // Form
115       ), // Flexible
116       Container(
117         margin: EdgeInsets.symmetric(horizontal: 4.0),
118         child:
119         > IconButton(icon: Icon(Icons.send), onPressed: createData),
120       ), // Container
121     ], // <Widget>[]
122   ), // Row
123 ), // Container
124 ], // <Widget>[]
125 ), // Column
126 ); // Scaffold
127 }
128
129 TextFormField buildTextFormField() {
130   return TextFormField(
131     controller: _textController,
132     decoration: InputDecoration(
133       border: InputBorder.none,
134       hintText: 'Send a message',
135       filled: true,
136     ), // InputDecoration
137     validator: (value) => value.isEmpty ? 'No Message?' : null,
138     onSave: (value) => name = value,
139   ); // TextFormField
140 }
141
142 void createData() async {
143   if (_formKey.currentState.validate()) {
144     _formKey.currentState.save();
145     _textController.clear();
146     DocumentReference ref =
147     |   await Firestore.instance.collection('Message').add({'name': '$name'});
148     setState(() => id = ref.documentID);
149     print(ref.documentID);
150   }
151 }
152 }
```