

# **COMETCHAT INTERNSHIP TASK REPORT**

## **React UI Kit Integration – Complete Chat Application**

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## 1. Introduction

This document covers my work for the **CometChat Internship Task**, where I integrated the **CometChat React UI Kit** into a fully functioning chat application. While completing the task, I explored multiple areas of the CometChat ecosystem — the dashboard, UI Kit Builder, documentation, and sample app — and documented all the issues I encountered along with suggestions on how the user experience can be improved.

The goal of this report is to present:

- My implementation process
- Screenshots of the working application
- A detailed list of issues observed
- Practical recommendations based on real usage

## 2. Objective

The key objectives of this internship task were:

- Build a working React chat app with CometChat's UI Kit
- Configure and initialize the SDK with App ID, Region, and Auth Key
- Implement user login using UID
- Display Chats, Users, Groups, and Calls
- Explore CometChat's UI Kit Builder and documentation
- Identify issues and suggest improvements

I completed all required steps and documented everything in detail.

### **3. Tools & Technologies Used**

- **React** — UI and component structure
- **CometChat React UI Kit** — Pre-built chat, calling, and user components
- **JavaScript / TypeScript**
- **Node.js & npm**
- **VS Code**
- **Google Chrome**
- **Git + GitHub** — Version control

### **4. Implementation Summary**

To complete the task, I used the CometChat React UI Kit (sample app) and connected it with my CometChat dashboard credentials.

I created a test user (UID: **user1**) and verified the functionality end-to-end.

#### **Successful Features Implemented**

- **User Login** using UID
- **One-on-One Chats** with real-time updates
- **Typing Indicators**
- **User List** with navigation
- **Groups** (view, join, interact)
- **Calls** (voice/video UI integrated)
- **Smooth navigation** between Chats, Users, Groups, and Calls

The app behaved exactly as expected after connecting correct credentials and logging in with a real UID.

## 5. Screenshots

Insert your screenshots in this section. Recommended order:

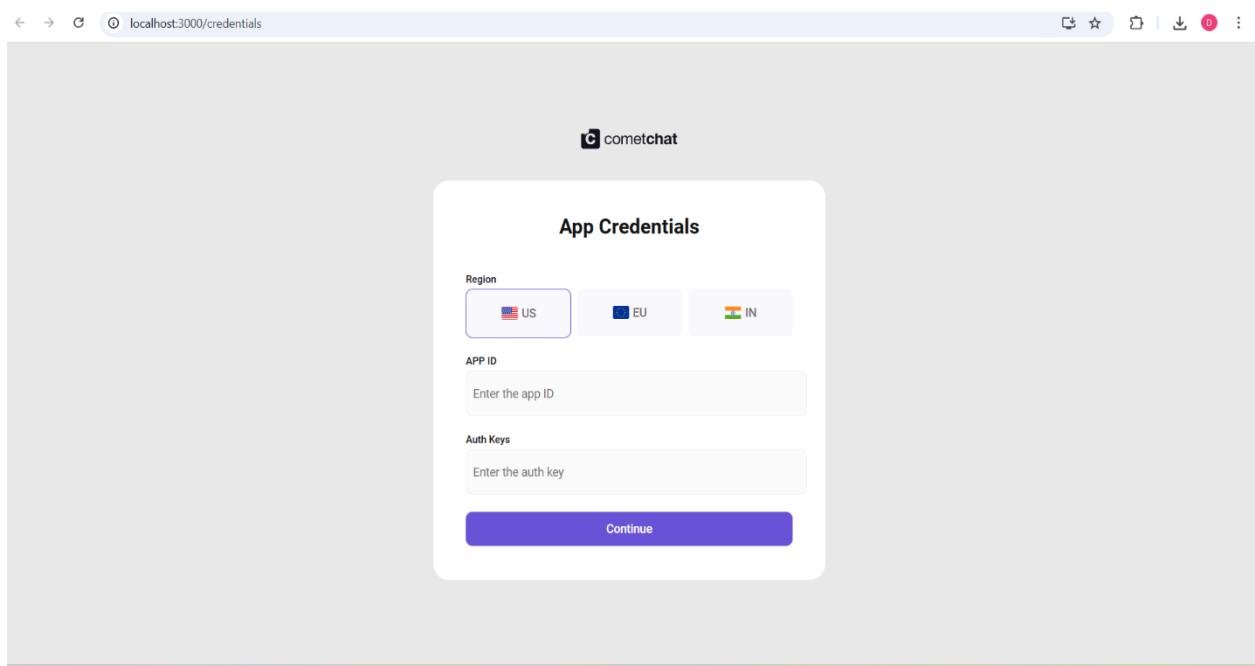
### 1. Dashboard – App Credentials

The screenshot shows the CometChat Dashboard for the application 'My chat app' (App ID: 1672105f2c3226276). The left sidebar contains navigation links for General, Products, and Account. The main dashboard displays usage statistics for Chats and Calls across different metrics like MAU, PCC, and concurrent connections. On the right, the 'App Credentials' tab is selected, showing the App ID, Region (IN), and Auth Key. A 'Quick Links' sidebar on the right provides links to support, developer docs, API docs, sample apps, help center, and slack support.

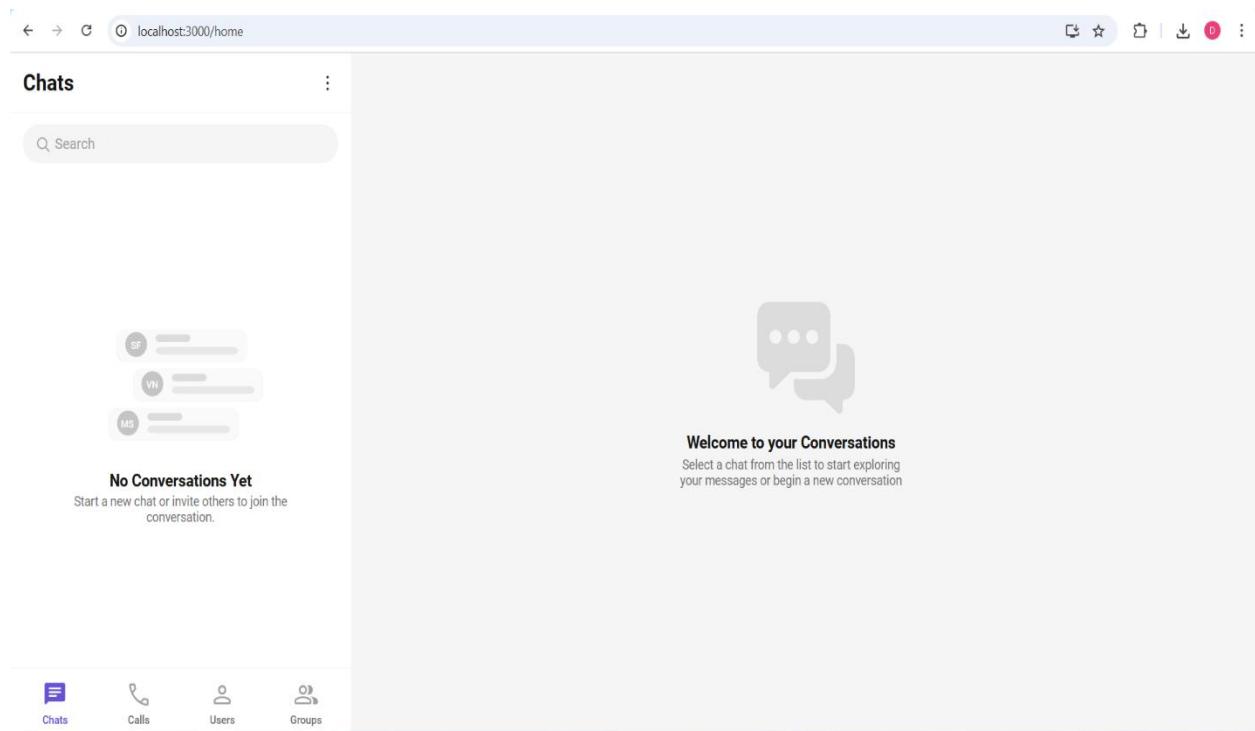
### 2. UI Kit Builder screen

The screenshot shows the 'UI Kit Builder' section of the CometChat Docs website. It features a 'STEP 1' header and a heading 'Add CometChat to Your Frontend'. Below this, a sub-section titled 'UI Kit Builder RECOMMENDED' explains that it allows for a fully functional chat interface in minutes. It includes sections for 'How It Works' and 'Why It's Great', and lists supported platforms: React, Next.js, React Router, iOS Swift, Android Java, React Native, and Flutter. A red vertical bar on the right says 'Something incorrect?'.

### 3. Login Screen



### 4. Chats Screen



## 5. Users Screen

**Users**

Search

A  
 Andrew Joseph

G  
 George Alan

J  
 John Paul

N  
 Nancy Grace

S  
 Susan Marie



**Welcome to your Conversations**  
Select a chat from the list to start exploring your messages or begin a new conversation

 Chats    Calls    Users    Groups

## 6. Groups Screen

**Groups**

Search



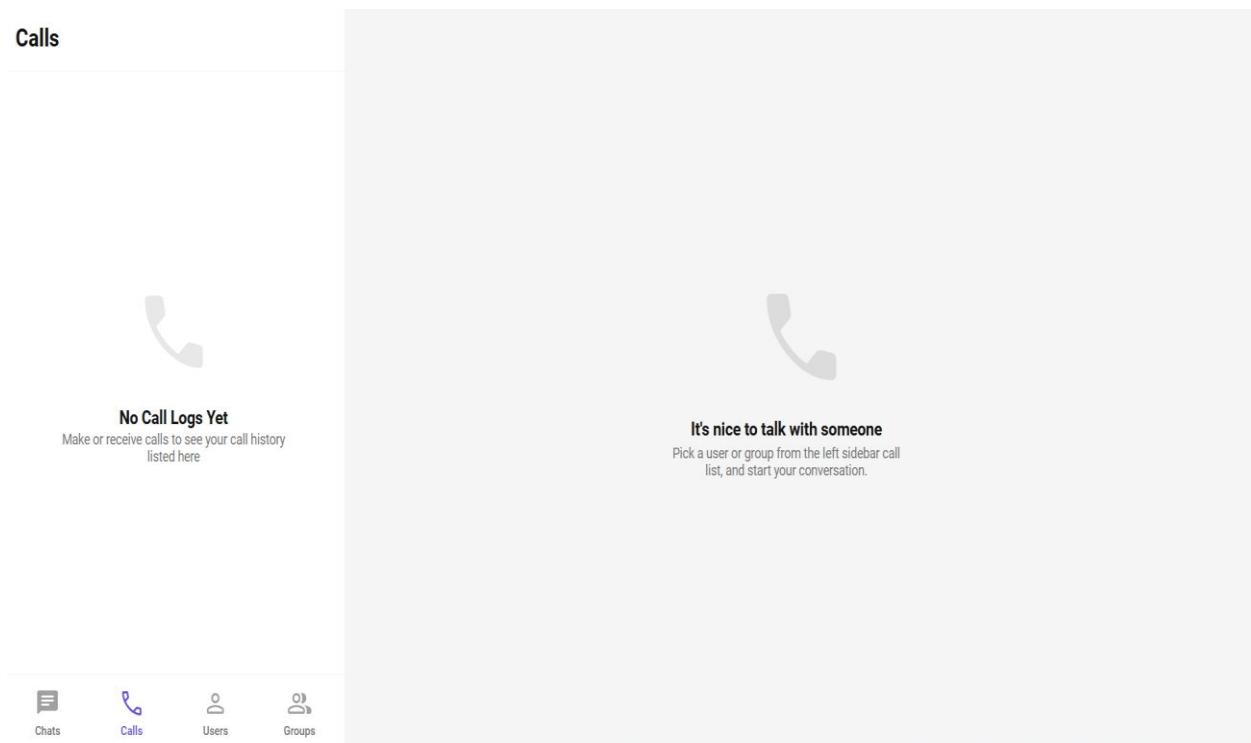
**No Groups Available**  
Select a group from the list to start exploring your messages or begin a new conversation



**Welcome to your Conversations**  
Select a chat from the list to start exploring your messages or begin a new conversation

 Chats    Calls    Users    Groups

## 7. Calls Screen



Screenshots give a clear demonstration that the implementation is working.

## 6. Issues Identified & Recommendations

This part of the task was extremely valuable because I faced real issues while trying to get everything running.

I've categorized the issues as required: Dashboard, UI Kit Builder, Documentation, and Implementation.

### 6.1 Dashboard Issues

#### **Issue 1 — UI Kit Builder option missing**

In some apps, the “**Integrate → UI Kit Builder**” option doesn’t appear. This makes developers wonder if the feature even exists.

#### **Suggestion:**

Show the UI Kit Builder option for all apps.

If something is unavailable, show a short explanation.

## **Issue 2 — No quick-start section**

Important actions (download UI kit, sample app link, credentials) are not placed together, which forces developers to jump between pages.

### **Suggestion:**

Add a “Get Started” panel with quick links right inside the dashboard.

## **6.2 UI Kit Builder Issues**

### **Issue 1 — Export Code does not download**

Clicking **Export Code → React** doesn’t actually download anything. Instead, it shows a login popup even when already logged in.

### **Suggestion:**

Enable direct download when user is authenticated or provide a fallback manual download link.

### **Issue 2 — 404 errors for React export**

React export links generated by the UI Kit Builder often return **404 Not Found**.

### **Suggestion:**

Fix or validate URLs before showing them to users.

## **6.3 Documentation Issues**

### **Issue 1 — Wrong / outdated npm package names**

Docs mention packages like:

`npm install @cometchat/uikit-react`

but these don’t exist.

This leads to installation errors and confusion.

### **Suggestion:**

Update all UI Kit v6 installation commands and remove deprecated package references.

### **Issue 2 — Sample app steps not clear**

The documentation assumes users know where or how to run the sample app.

**Suggestion:**

Add a simple step-by-step guide:

1. Download Zip
2. Go to sample-app
1. Install dependencies
2. Add credentials
3. Run app

This would save developers a lot of time.

#### **6.4 Implementation Issues**

**Issue 1 — Sample users cause crashes**

The sample users shown inside the sample app (e.g., cometchat-uid-1) do not exist in new developer accounts.

Clicking them causes a login failure and a crash.

**Suggestion:**

Either auto-create sample users OR hide them for new apps.

**Issue 2 — Error messages are not user-friendly**

When login fails, the app shows messages like:

[object Object]

which is impossible to understand.

**Suggestion:**

Show readable errors:

“User does not exist. Please create a user in dashboard.”

### **7. Recommendations Summary**

Improving the developer experience would be easy and impactful:

- Add a universal **download UI kit** button
- Fix UI Kit Builder export for React
- Update documentation for installation and running sample app

- Improve sample app error handling
- Provide test users or a “quick import users” feature
- Add a simple onboarding wizard

## 8. Conclusion

I successfully completed the CometChat Internship Task by integrating the React UI Kit into a working chat application.

The experience helped me understand real-time communication, SDK integration, debugging, and proper project structure.

The issues I encountered gave me valuable insight into how developers approach SDK onboarding, and my suggestions aim to make CometChat even more developer-friendly.

I truly enjoyed building this project and would love the opportunity to continue learning and contributing as an intern at CometChat.

## End of Report

*Thank you for reviewing my work!*