

# **CHAT APPLICATION USING MIT APP INVENTOR**

## **ABSTRACT**

A chat application developed using MIT App Inventor is a mobile application that allows users to communicate with each other in real time. The app is designed to provide a user-friendly interface and can be used on both Android and iOS devices. The chat application is developed using App Inventor's blocks-based programming environment, which allows developers to easily create mobile applications without having to learn complex coding languages.

The chat application allows users to create profiles, search for other users, and initiate conversations. Users can send text messages. The app also includes security features such as user authentication and encryption to ensure that user data is kept safe and secure. Here the cloud DB is used for the database.

Overall, the chat application developed using MIT App Inventor provides an easy and intuitive way for users to communicate with each other, making it an ideal choice for individuals and organizations looking for a simple and effective way to stay in touch.

## BLOCKS CREATED FOR CHAT APPLICATION

```
initialize global chat to create empty list
```

```
initialize global message to ""
```

```
initialize global name to ""
```

```
when Button2.Click
do
  set global message to TextBox2.Text
  call CloudDB1.AppendValueToList
  tag chat
  itemToAdd join get global message
  get global name

when Button1.Click
do
  set global name to TextBox1.Text
```

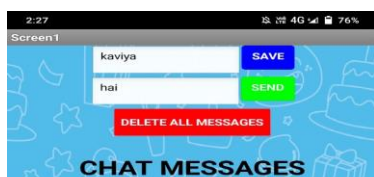
```
when CloudDB1.DataChanged
tag value
do
  set global chat to get value
  set ListView1.Elements to get global chat
```

```
when Screen1.Initialize
do
  call CloudDB1.GetValue
  tag chat
  valueIfTagNotThere create empty list
```

```
when CloudDB1.GetValue
tag value
do
  set global chat to get value
  set ListView1.Elements to get global chat
```

```
when Button3.Click
do
  call CloudDB1.ClearTag
  tag chat
  set global chat to create empty list
  set ListView1.Elements to get global chat
```

## SAMPLE SCREEN SHOTS



hai-kaviya

hello-saranya

