FIRESTORE RULESET

rules\_version = '2';

service cloud.firestore {

match /databases/{database}/documents {

// Announcements Collection

match /announcements/{announcementId} {

allow read, write: if true; // Fully open access for anyone

}

match /announcements/{announcementId}/comments/{commentId} {

allow read, write: if true; // Fully open access for subcollection 'comments'

}

// Rules for users collection

match /users/{userId} {

allow read: if request.auth != null;

allow write: if request.auth != null &&

(request.auth.uid == userId ||

get(/databases/$(database)/documents/users/$(request.auth.uid)).data.role == "admin");

allow delete: if request.auth != null &&

get(/databases/$(database)/documents/users/$(request.auth.uid)).data.role == "admin";

match /inbox/{inboxId} {

allow read: if request.auth != null; // Allow authenticated users to read

allow write: if request.auth != null &&

(request.auth.uid == userId ||

!exists(/databases/$(database)/documents/users/$(userId)/inbox/$(inboxId)) ||

request.auth.uid in resource.data.members);

}

match /inbox/{inboxId}/messages/{messageId} {

allow read, write: if request.auth != null && request.auth.uid == userId;

}

}

// Rules for groups collection

match /groups/{groupId} {

allow read: if true; // Open to everyone

allow create: if request.auth != null; // Authenticated users can create

allow update: if request.auth != null; // Authenticated users can update

allow delete: if request.auth != null &&

get(/databases/$(database)/documents/users/$(request.auth.uid)).data.role == "admin"; // Admin-only delete

}

// Rules for meetings collection

match /meetings/{meetingId} {

allow read: if request.auth != null;

allow create: if request.auth != null;

allow update: if request.auth != null && request.auth.uid in resource.data.selectedMembers || request.auth.uid == resource.data.creatorId ;

allow delete: if request.auth != null && (

request.auth.uid == resource.data.creatorId ||

request.auth.uid in resource.data.selectedMembers ||

get(/databases/$(database)/documents/users/$(request.auth.uid)).data.role == "admin"

);

}

}

}

FIREBASE RTDB RULESET

{

"rules": {

".read": "true", // Allow read access to anyone

".write": "true" // Allow write access to anyone

}

}

FIREBASE STORAGE RULESET

rules\_version = '2';

service firebase.storage {

match /b/{bucket}/o {

// Rule for message files

match /message-file/{userId}/{chatUserId}/{fileName} {

allow read, write: if request.auth != null && request.auth.uid == userId;

}

// Rule for profile pictures

match /profilePictures/{userId} {

allow read, write: if request.auth != null && request.auth.uid == userId;

}

// Rule for announcements

match /announcements/{fileName} {

allow read, write: if request.auth != null;

}

}

}