



# “Render.com”

:: UNIDAD 5: Programación para Android  
:: ACTIVIDAD COMPLEMENTARIA 1

**MATERIA:** :: PROGRAMACIÓN DE DISPOSITIVOS MÓVILES ::  
**CLAVE:** 1668

**LICENCIATURA EN INFORMÁTICA**  
**PLAN 2012**

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## UNIDAD 5. Actividad Complementaria 1

### a) Crea una cuenta en Render.com.

The screenshot shows the Render Dashboard interface. On the left, there's a sidebar with options like 'Create', 'Static Sites', 'Cron Jobs', and 'Postgres'. A dropdown menu is open under 'Create' with 'New Workspace' selected. The main area displays several service categories: 'Web Services' (Dynamic web app. Ideal for full-stack apps, API servers, and mobile backends.), 'Private Services' (Web app hosted on a private network, accessible only from your other Render services.), 'Background Workers' (Long-lived services that process async tasks, usually from a job queue.), 'Key Value' (Managed Redis®-compatible storage. Ideal for use as a shared cache, message broker, or job queue.), and 'Deploy' (with a link to 'Which to use?'). At the bottom, there's a toolbar with various icons and a status bar showing 'ESP 03:12 p.m.'

### Creacion de cuenta en Render.com

### b) Crea una aplicación vinculando el repositorio de GitHub.

The screenshot shows a GitHub repository page for 'backend-tareas-unidad5'. The 'Code' tab is selected. The repository has 1 branch and 0 tags. The commit history shows a single commit from 'Getzemax-98' titled 'Backend tareas para Unidad 5 - Render.com' made 9020393 - 13 minutes ago. The commit message includes the URL 'Backend tareas para Unidad 5 - Render.com'. Below the commit list, there's a table of files deployed to Render.com:

File	Description	Time
node_modules	Backend tareas para Unidad 5 - Render.com	13 minutes ago
ngrok_recovery_codes.txt	Backend tareas para Unidad 5 - Render.com	13 minutes ago
package-lock.json	Backend tareas para Unidad 5 - Render.com	13 minutes ago
package.json	Backend tareas para Unidad 5 - Render.com	13 minutes ago
render.yaml	Backend tareas para Unidad 5 - Render.com	13 minutes ago
server.js	Backend tareas para Unidad 5 - Render.com	13 minutes ago



## Creacion de Servicio Web en Render.com y Repositorio GitHub vinculado

URL: <https://github.com/Getzemax-98/backend-tareas-unidad5>

### c) Despliega la aplicación.

## Aplicación desplegada en Render

URL: <https://backend-tareas-unidad5.onrender.com>



#### d) Modifica tu app móvil para usar la URL de Render.

The screenshot shows the Snack Expo interface with the project 'backend-tareas-unidad5'. The code editor contains the following snippet from App.js:

```
import React, { useState, useEffect } from 'react';
import {
  View, Text, FlatList, TouchableOpacity, StyleSheet,
  SafeAreaView, StatusBar, Alert, ActivityIndicator
} from 'react-native';

// URL DE RENDER - TU BACKEND DESPLEGADO
const API_URL = 'https://backend-tareas-unidad5.onrender.com';

const App = () => {
  const [tareas, setTareas] = useState([]);
  const [cargando, setCargando] = useState(false);

  // FETCH GET - Obtener tareas
  const obtenerTareas = async () => {
    try {
      setCargando(true);
      const respuesta = await fetch(`${API_URL}/tareas`);
      const datos = await respuesta.json();
      setTareas(datos);
    } catch (error) {
      Alert.alert('Error', 'No se pudieron cargar las tareas');
    } finally {
      setCargando(false);
    }
  };
}

// FETCH POST + GET - Agregar y actualizar
```

The right side of the screen shows the application's interface titled 'Gestor de Tareas' with the subtitle 'Unidad 5 - Render.com'. It features a button '+ Agregar Tarea' and a list titled 'Lista de Tareas (3)' containing two items: 'Aprender React Native' (Pending, ID: 1) and 'Crear API REST' (Completed, ID: 2).

App actualizada Render en Snack.Expo, usando URL de Render en lugar de ngrok

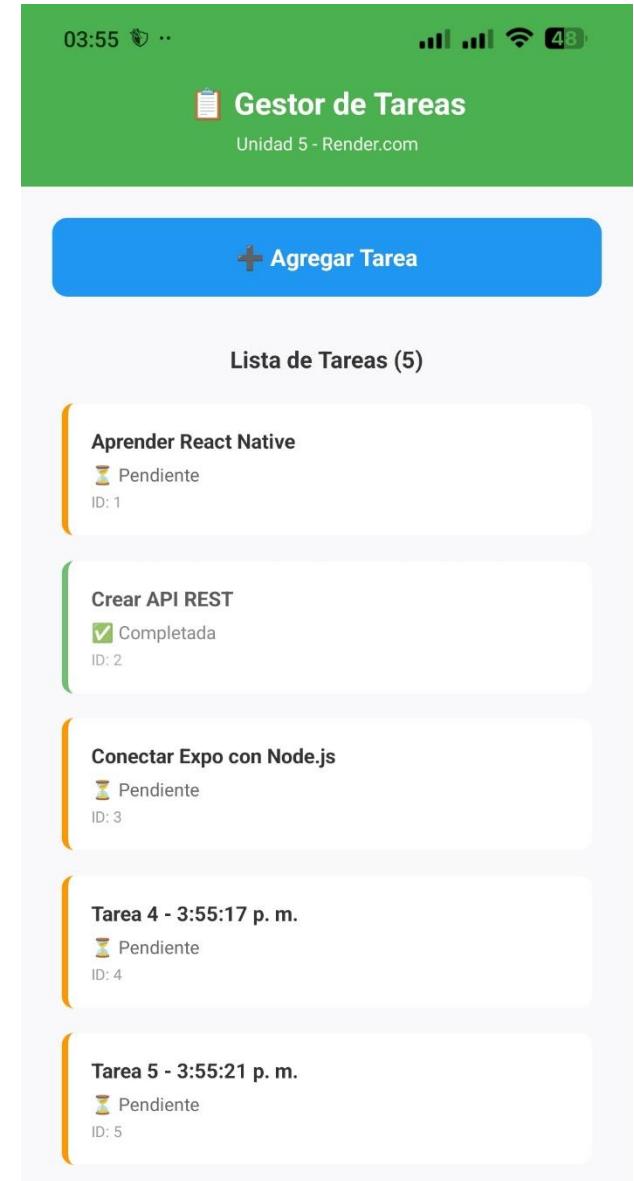
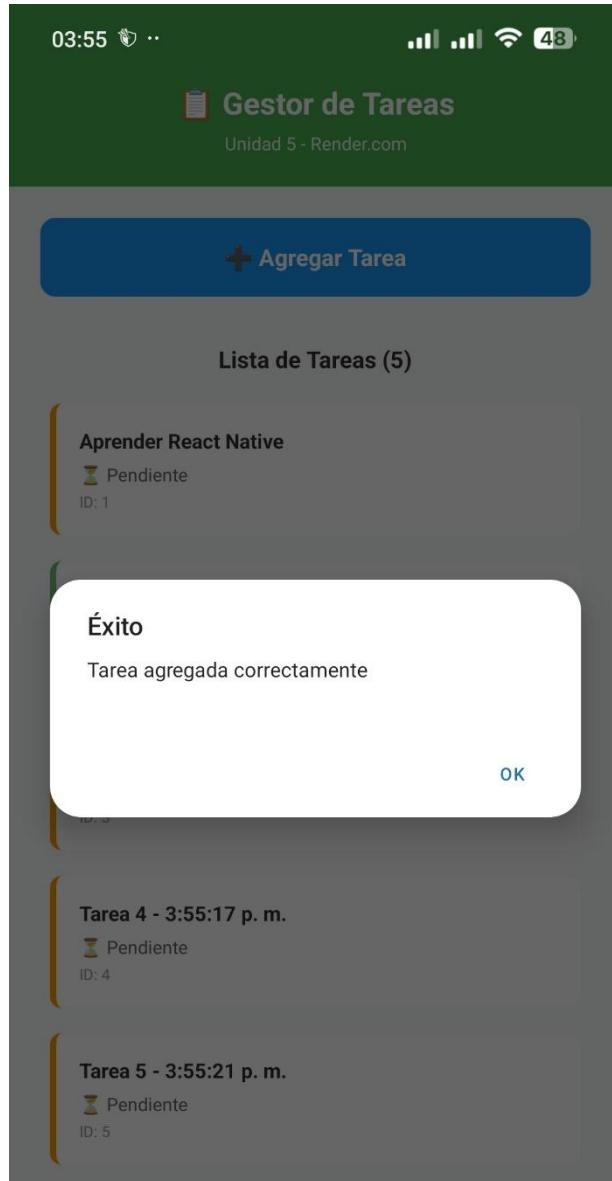
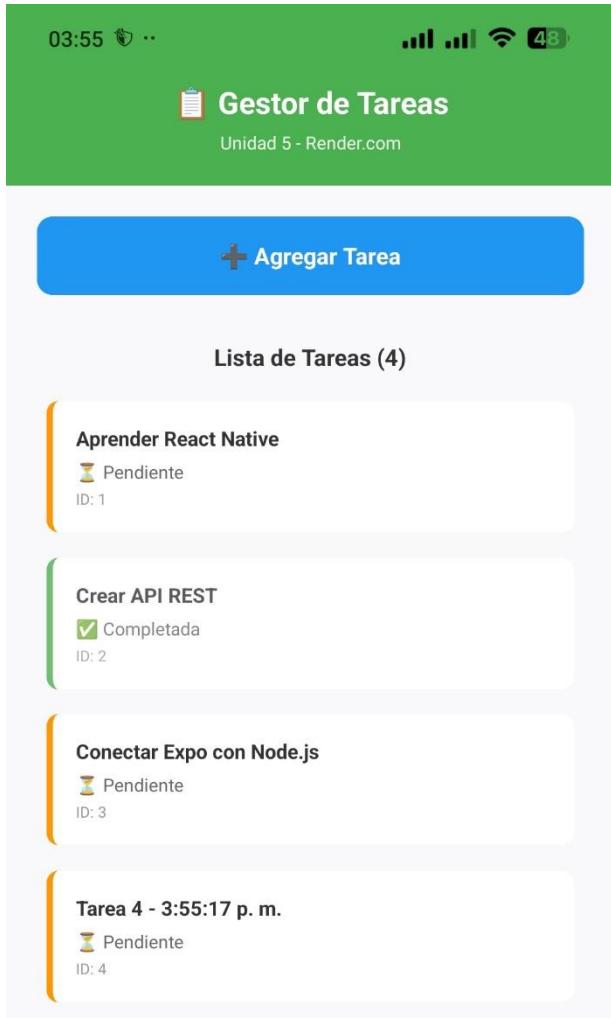
Link de Snack.Expo <https://snack.expo.dev/@getzemax98/app-movil-modificada-para-usar-la-url-de-render>

The screenshot shows a browser window displaying the JSON response from the endpoint <https://backend-tareas-unidad5.onrender.com/tareas>. The JSON data is as follows:

```
[{"id": 1, "titulo": "Aprender React Native", "completada": false}, {"id": 2, "titulo": "Crear API REST", "completada": true}, {"id": 3, "titulo": "Conectar Expo con Node.js", "completada": false}]
```

API Render funcionando, muestra JSON de tareas en <https://backend-tareas-unidad5.onrender.com/tareas>





## I. REFERENCIAS BIBLIOGRÁFICAS

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[js#:~:text=Domina%20la%20POO%20en%20Java%20%E2%80%94%20Gu%C3%A1da%20Pr%C3%A1ctica%20ctica](https://www.programaenlinea.net/javascript-node-js-crea-una-api-restful-para-un-gestor-de-tareas-con-express-js#:~:text=Domina%20la%20POO%20en%20Java%20%E2%80%94%20Gu%C3%A1da%20Pr%C3%A1ctica%20ctica)

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