

Android app



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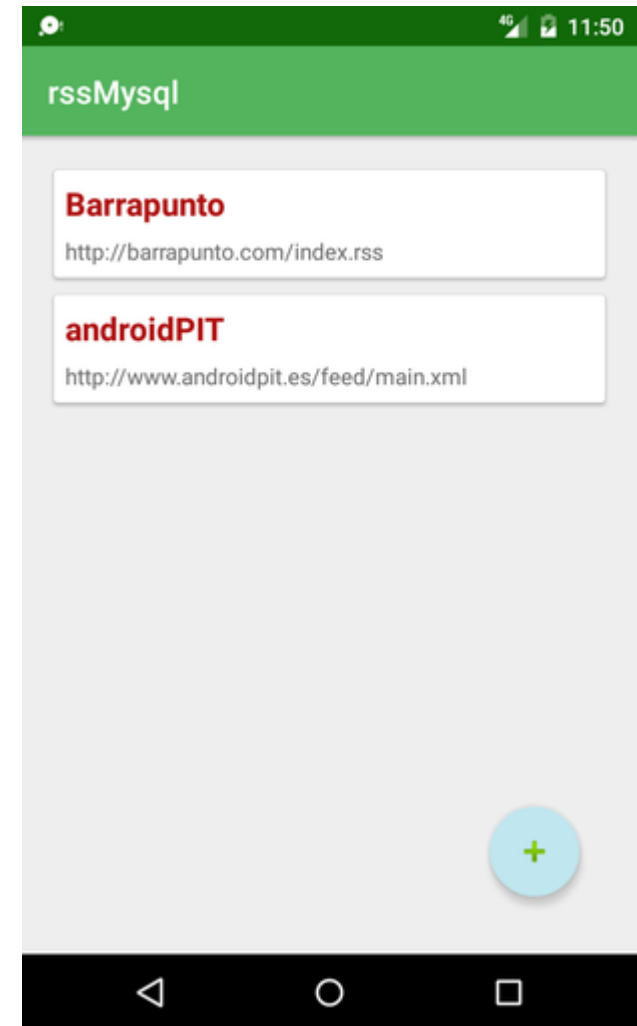
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Ejercicio

Crear una aplicación que permita manejar los sitios almacenados en una base de datos remota.

En la ventana principal se mostrarán en una lista los sitios guardados en la base de datos y habrá un botón con el que se podrán añadir nuevos sitios. Al pulsarlo aparecerá una nueva ventana para añadir los datos del nuevo sitio.

Cuando se pulse en un elemento de la lista, se podrá modificar o eliminar el sitio. Si la pulsación es larga, se podrá enviar un correo al email del sitio elegido.



Api Rest



Butter Knife

Field and method binding for Android views



Site.java

```
public class Site implements Serializable {
    private int id;
    private String name;
    private String link;
    private String email;

    public int getId() { return id; }
    public void setId(int id) { this.id = id; }
    public String getName() { return name; }
    public void setName(String name) { this.name = name; }
    public String getLink() { return link; }
    public void setLink(String link) { this.link = link; }
    public String getEmail() { return email; }
    public void setEmail(String email) { this.email = email; }

    public Site(int id, String name, String link, String email) {
        super();
        this.id = id;
        this.name = name;
        this.link = link;
        this.email = email;
    }
    public Site(String name, String link, String email) {
        super();
        this.name = name;
        this.link = link;
        this.email = email;
    }

    public Site() {}

    @Override
    public String toString() {
        return name + '\n' + email;
    }
}
```

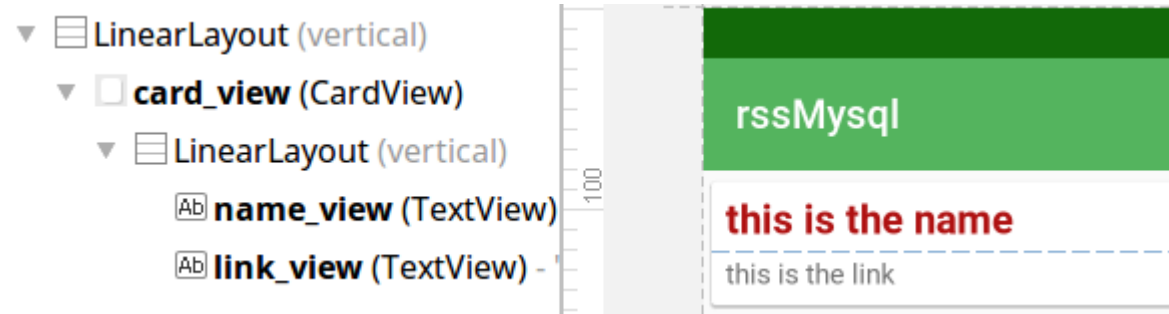
Email.java

```
public class Email {  
    private String to;  
    private String subject;  
    private String message;  
  
    public Email(String to, String subject, String message) {  
        super();  
        this.to = to;  
        this.subject = subject;  
        this.message = message;  
    }  
  
    public String getTo() { return to; }  
  
    public void setTo(String to) { this.to = to; }  
  
    public String getSubject() { return subject; }  
  
    public void setSubject(String subject) { this.subject = subject; }  
  
    public String getMessage() { return message; }  
  
    public void setMessage(String message) { this.message = message; }  
}
```

colors.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#54b45e</color>
    <color name="colorPrimaryDark">#126909</color>
    <color name="colorAccent">#FF5722</color>
    <color name="primaryText">#af1111</color>
    <color name="secondaryText">#727272</color>
    <color name="search">#c0e6ef</color>
</resources>
```

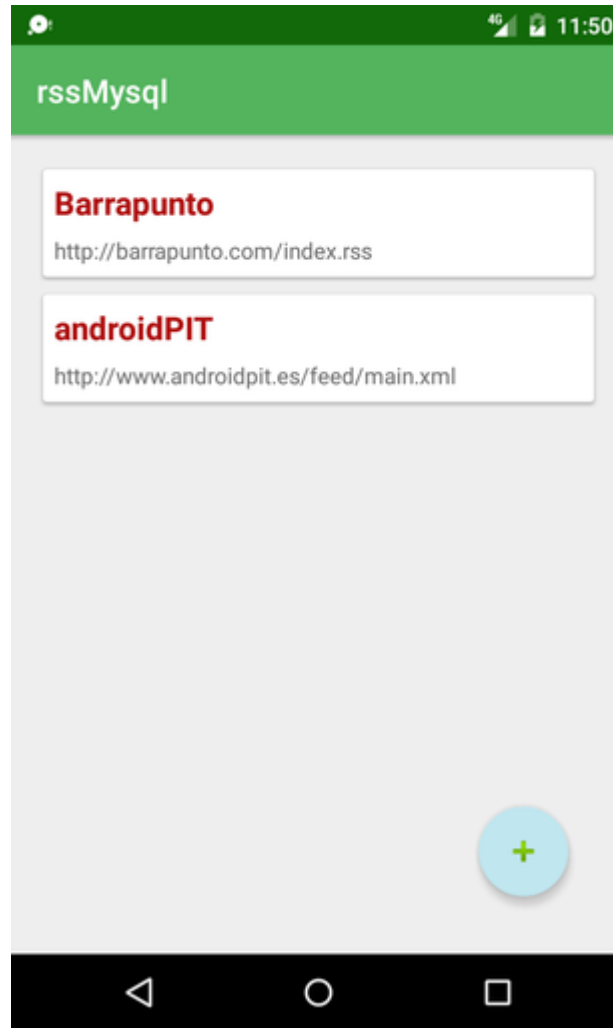
item_view.xml



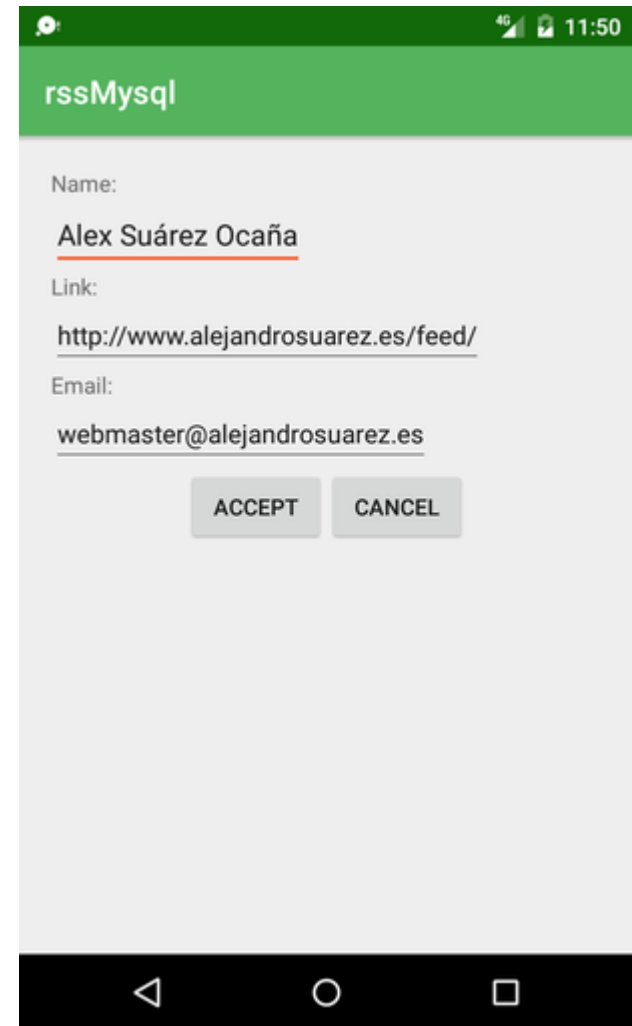
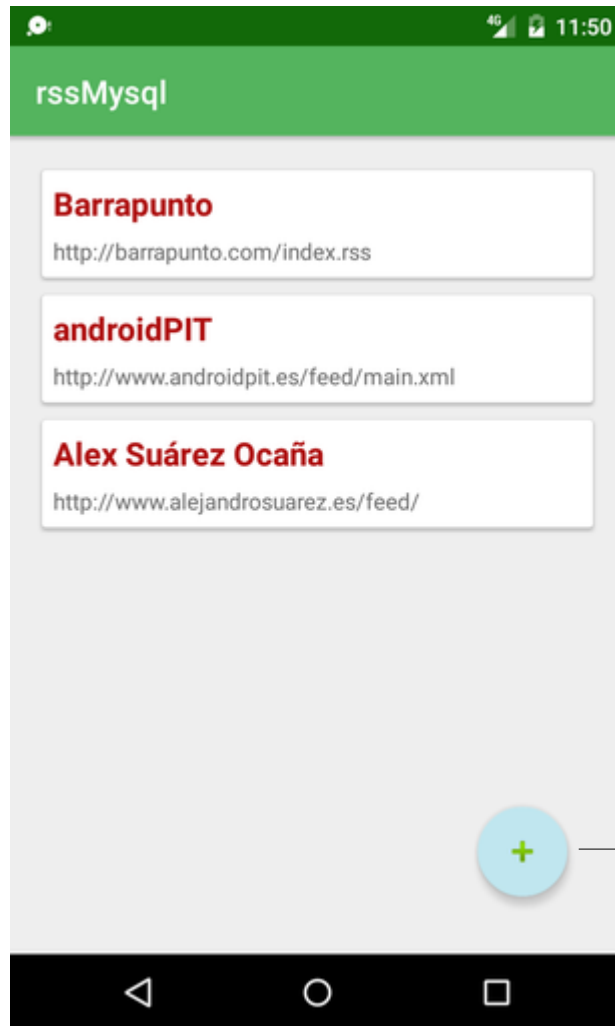
SitesAdapter

```
public void setSites(ArrayList<Site> sites) {  
    //set all the sites  
  
}  
  
public Site getAt(int position){  
    //get the site in the position  
  
}  
  
public void add(Site site) {  
    //add a site  
  
}  
  
public void modifyAt(Site site, int position) {  
    //modify a site in the position  
  
}  
  
public void removeAt(int position) {  
    //delete a site in the position  
  
}  
}
```

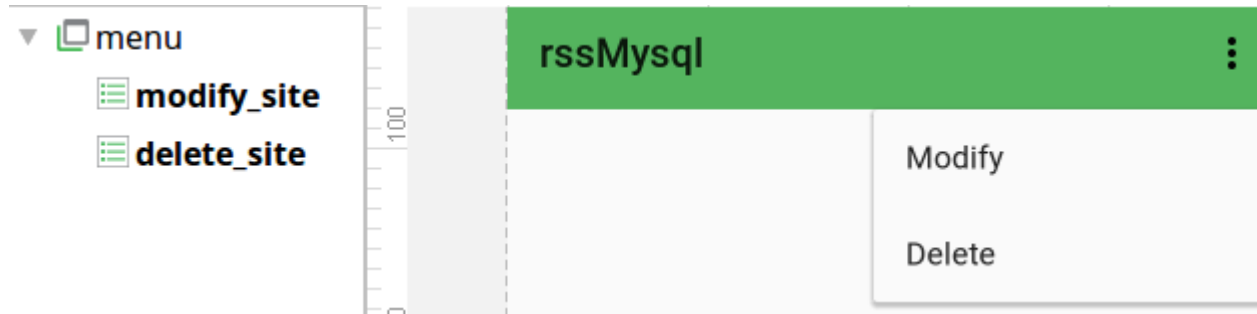
MainActivity.java



Añadir un sitio



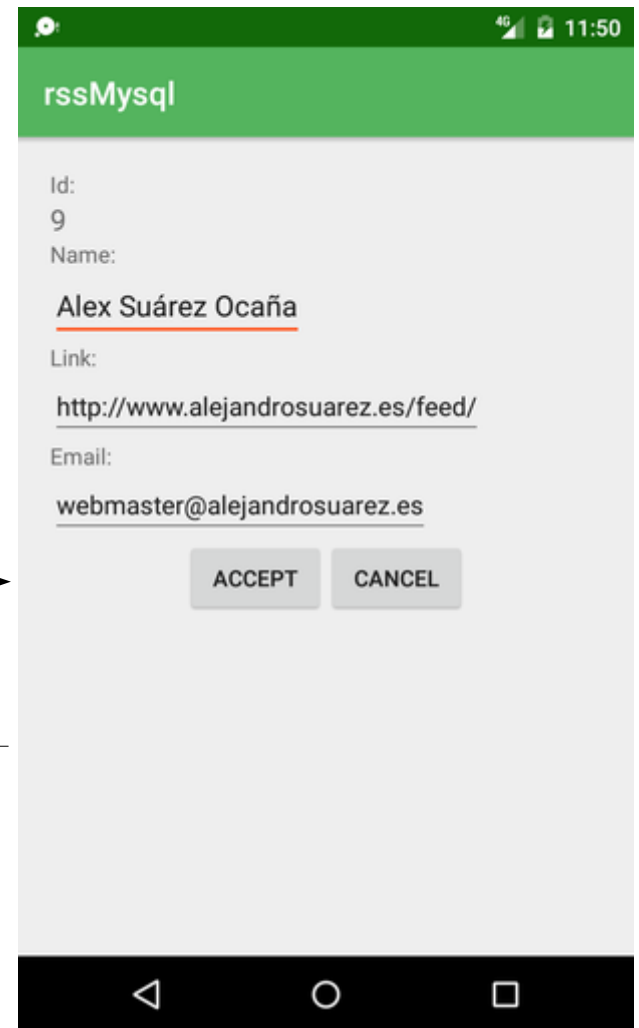
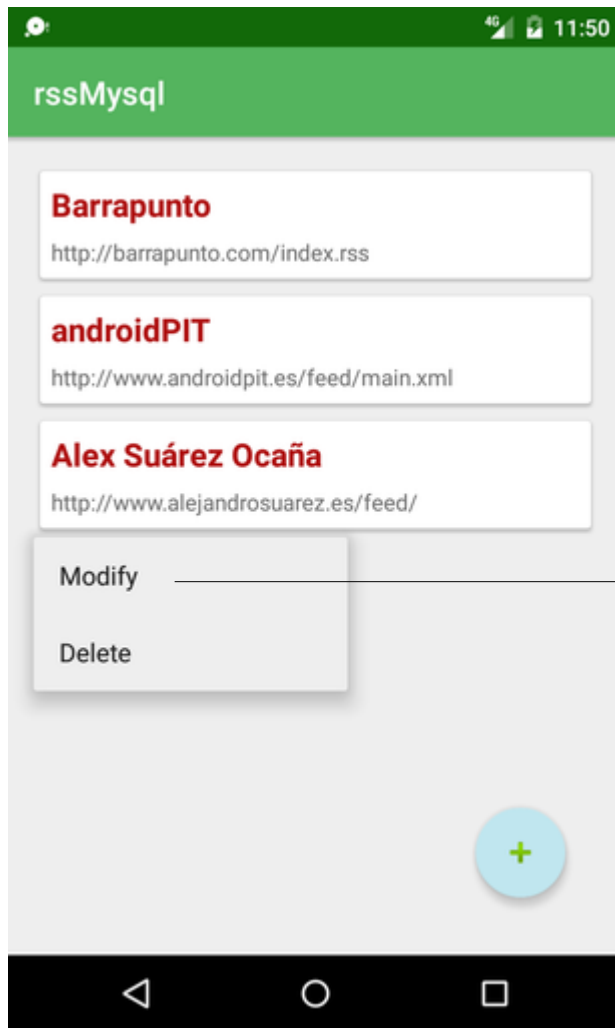
popup_change.xml



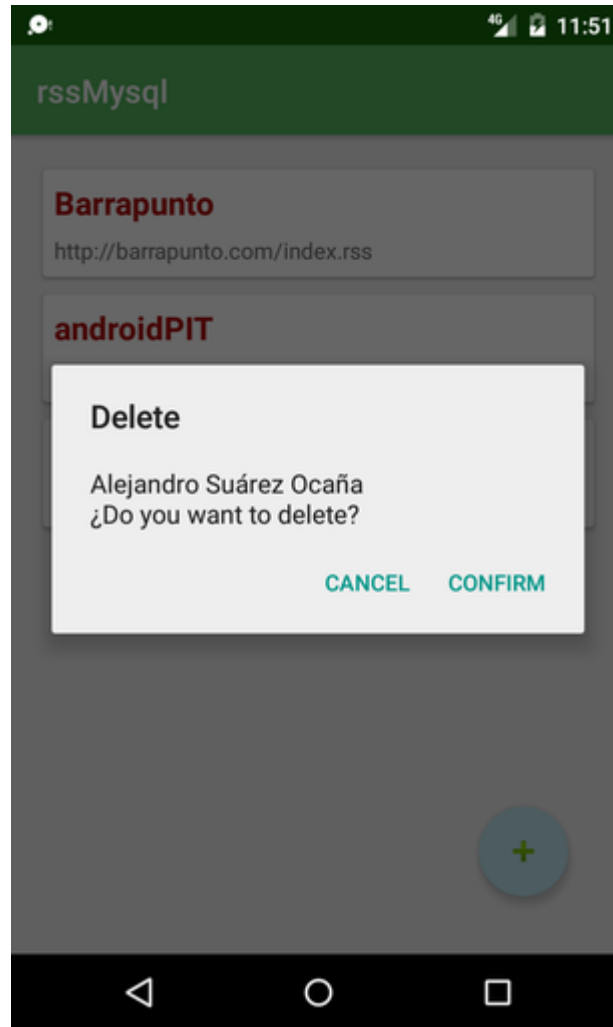
```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:tools="http://schemas.android.com/tools"
      xmlns:android="http://schemas.android.com/apk/res/android">

    <item android:title="Modify"
          android:id="@+id/modify_site" />
    <item android:title="Delete"
          android:id="@+id/delete_site" />
</menu>
```

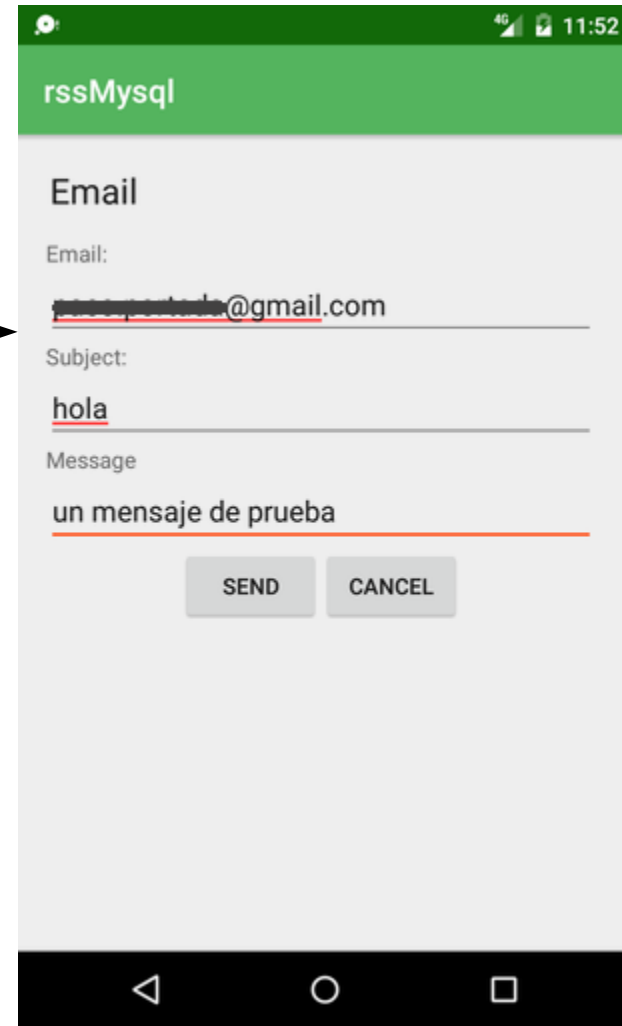
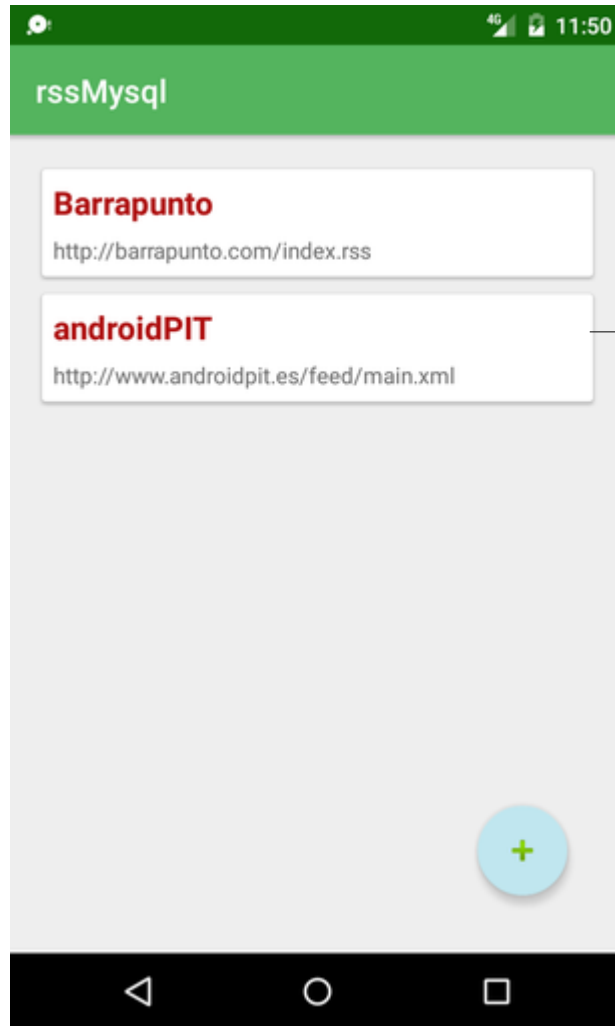
Modificar un sitio



Eliminar un sitio



Enviar un email



Seguridad

¿Cómo mejorar la seguridad?

¿Dudas?

¿Sugerencias?



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