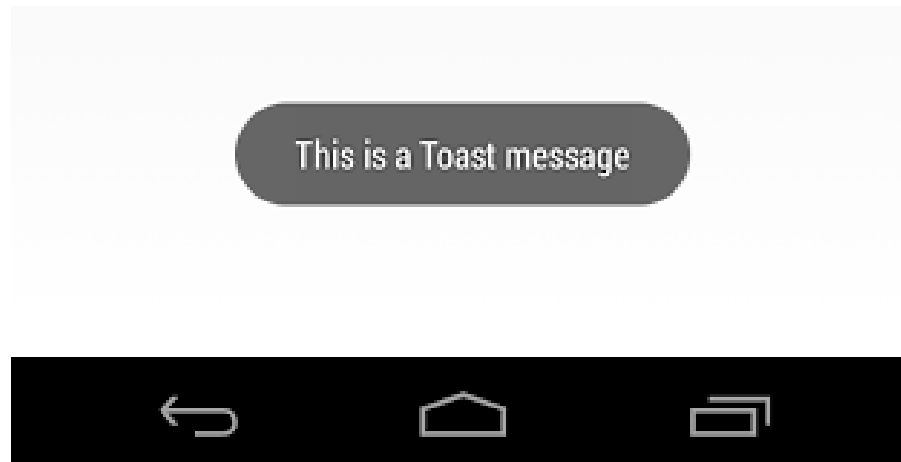




# Android Lab 2

Menu, preference and intent

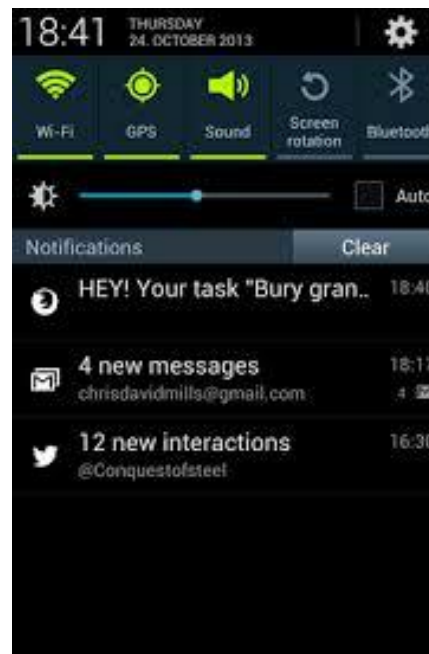
# Toast



# How to implement toasts?

- `Toast.makeText(MainActivity.this, "Reset Credential", Toast.LENGTH_LONG).show();`
- `Toast.makeText( MainActivity.this, "You kept user: " + username + " and password: " + password, Toast.LENGTH_LONG).show();`

# Notification



# How to implement notifications?

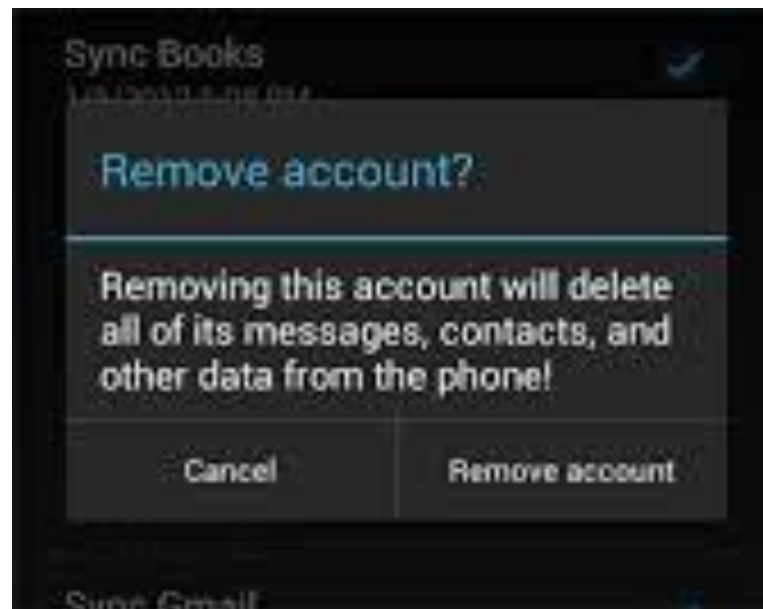
- `NotificationManager notificationManager =  
(NotificationManager)  
getSystemService(NOTIFICATION_SERVICE);`

```
Intent intent = new Intent(this, MainActivity.class);  
PendingIntent activity =  
PendingIntent.getActivity(this, 0, intent, 0);
```

---

```
Notification notification = new  
Notification.Builder(this)  
    .setContentTitle("Hello Preferences")  
    .setContentText("Successfully reset user Credential")  
    .setSmallIcon(R.drawable.icon)  
    .setContentIntent(activity)  
    .setAutoCancel(true)  
    .build();  
notificationManager.notify(0,notification);
```

# Dialog



# How to implement dialogs?

- `AlertDialog.Builder builder =  
new AlertDialog.Builder(this);`  
  
`builder.setMessage("Reset username and  
password?");`
- `builder.setPositiveButton("I agree",  
new DialogInterface.OnClickListener() {  
    public void onClick(DialogInterface dialog,  
int which) {  
    }  
});`
- `AlertDialog dialog = builder.create();  
dialog.show();`

# Preferences

The screenshot shows a mobile application interface with a black background. At the top, a status bar displays the time as 6:00 and various icons. Below the status bar is a title bar with the text "SharedPreferences". The main title of the application is "Shared Preferences Login".

The login form consists of two input fields:

- USERNAME:** A text input field containing the text "God is One".
- PASSWORD:** A password input field with a yellow border, containing seven dots and a cursor.

Below the input fields are three buttons:

- Submit:** A button with a yellow border.
- Exit:** A button with a yellow border.
- Details are saved:** A button with a yellow border, positioned below the Submit and Exit buttons.



# How to access preferences?

- In preferences.xml:

```
<PreferenceCategory>  
    <EditTextPreference android:key="password"  
        android:summary="password"  
        android:title="Password"/>  
</PreferenceCategory>
```

- In a class:

```
String pas = preferences.getString("password", "NA")
```

# How to edit preferences?

- Create an object:

```
SharedPreferences.Editor edit =  
    preferences.edit();
```

- Put what you want to put:

```
edit.putString("password", null);
```

- Don't forget to apply changes:

```
edit.commit();
```