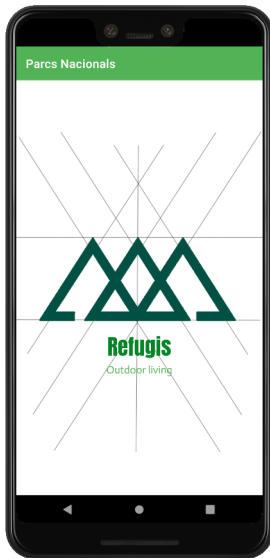


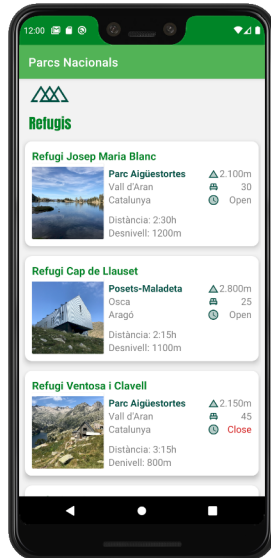


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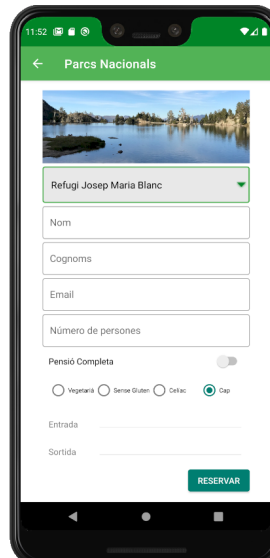
Examen UF1



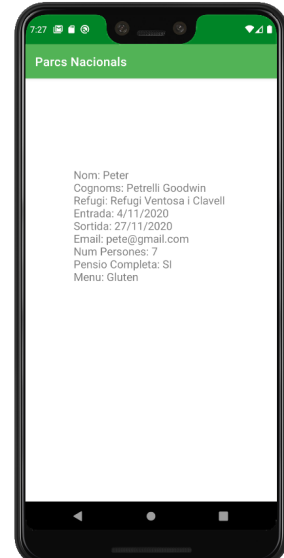
MainActivity



DashboardActivity



ReservaActivity



DetailsActivity

(1.5 punt)

MainActivity:

Animació Splash Screen.

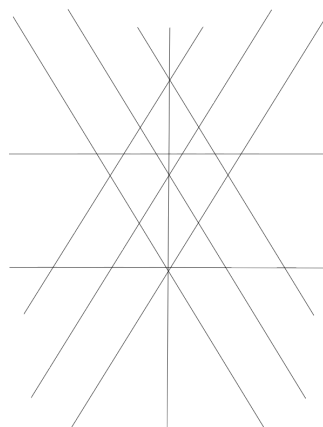
Hi ha dues imatges i dos textos.

Text: Refugis (font: anton)

Text: Outdoor living (font: belleza)



logo1.png



logo2.png



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L'animació del MainActivity és la següent:

Imatge logo1.png:

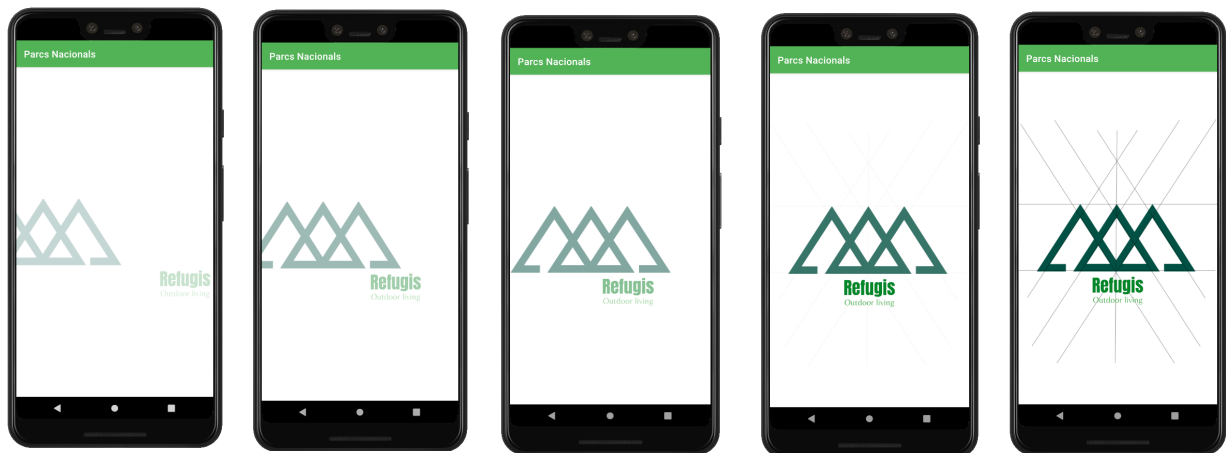
- es mou d'esquerra a dreta
- passa de transparent a visible

Textos:

- es mouen de dreta a esquerra al mateix temps
- passen de transparent a visible

Imatge logo2.png:

- passa de transparent a visible un cop la imatge logo1.png i els textos estan a la seva posició final



MainActivity.java

```
//Time delay
private static int SPLASH_SCREEN= 4000;

ImageView imageLogo;
ImageView imageLogo2;
TextView textName;
TextView textSlogan;

ObjectAnimator objectAnimator1;
ObjectAnimator objectAnimator2;
ObjectAnimator objectAnimator3;
ObjectAnimator objectAnimator4;
ObjectAnimator objectAnimator5;
ObjectAnimator objectAnimator6;
ObjectAnimator objectAnimator7;

//Hooks
imageLogo = findViewById(R.id.imageLogo);
imageLogo2 = findViewById(R.id.imageLogo2);
```



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| Nom: | Grup: | | |

```
textName = findViewById(R.id.textName);
textSlogan = findViewById(R.id.textSlogan);

objectAnimator1 = ObjectAnimator.ofFloat(imageLogo, "alpha", 0f, 1f);
objectAnimator1.setDuration(3000);

objectAnimator2 = ObjectAnimator.ofFloat(imageLogo, "x", -1000f, 0f);
objectAnimator2.setDuration(2000);

objectAnimator3 = ObjectAnimator.ofFloat(imageLogo2, "alpha", 0f, 1f);
objectAnimator3.setDuration(2000);
objectAnimator3.setStartDelay(1800);

objectAnimator4 = ObjectAnimator.ofFloat(textName, "x", 1000f, 0f);
objectAnimator4.setDuration(2000);

objectAnimator5 = ObjectAnimator.ofFloat(textSlogan, "x", 1000f, 0f);
objectAnimator5.setDuration(2000);

objectAnimator6 = ObjectAnimator.ofFloat(textName, "alpha", 0f, 1f);
objectAnimator6.setDuration(3000);

objectAnimator7 = ObjectAnimator.ofFloat(textSlogan, "alpha", 0f, 1f);
objectAnimator7.setDuration(3000);

AnimatorSet animationSet = new AnimatorSet();
animationSet.playTogether(objectAnimator1,
    objectAnimator2, objectAnimator3, objectAnimator4,
    objectAnimator5, objectAnimator6, objectAnimator7);
animationSet.start();
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <ImageView
        android:id="@+id/imageLogo"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:transitionName="image_origen"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/logo" />
    <ImageView
        android:id="@+id/imageLogo2"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:alpha="0"
        app:layout_constraintBottom_toBottomOf="parent"
```



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| Nom: | Grup: | | |

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:srcCompat="@drawable/logo2" />
<TextView
    android:id="@+id/textName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:fontFamily="@font/anton"
    android:gravity="center"
    android:text="@string/textTitle"
    android:textColor="@color/primaryDarkColor"
    android:textSize="36sp"
    android:transitionName="textapp_origen"
    app:layout_constraintTop_toBottomOf="@+id/imageLogo" />
<TextView
    android:id="@+id/textSlogan"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:fontFamily="@font/belleza"
    android:gravity="center"
    android:text="@string/textSlogan"
    android:textColor="@color/primaryColor"
    android:textSize="18sp"
    android:transitionName="textslogan_origen"
    app:layout_constraintTop_toBottomOf="@+id/textName" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Si es fa amb fitxers xml de recursos animador:

```
//Animator
AnimatorSet set = (AnimatorSet) AnimatorInflater.loadAnimator(MainActivity.this,
    R.animator.top_animator);
set.setTarget(imageLogo);
set.start();

AnimatorSet set4 = (AnimatorSet) AnimatorInflater.loadAnimator(MainActivity.this,
    R.animator.top_animator2);
set4.setTarget(imageLogo2);
set4.setStartDelay(2000);
set4.start();

AnimatorSet set2 = (AnimatorSet) AnimatorInflater.loadAnimator(MainActivity.this,
    R.animator.bottom_animator);
set2.setTarget(textName);
set2.start();

AnimatorSet set3 = (AnimatorSet) AnimatorInflater.loadAnimator(MainActivity.this,
    R.animator.bottom_animator2);
set3.setTarget(textSlogan);
set3.start();
```

top_animator.xml

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



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| Nom: | Grup: | | |

```
<objectAnimator
    android:valueFrom="0.1"
    android:valueTo="1.0"
    android:duration="3000"
    android:propertyName="alpha"/>
<objectAnimator
    android:propertyName="X"
    android:valueFrom="-1000"
    android:valueTo="0"
    android:duration="2000"/>
```

</set>

top_animator2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android">
    <objectAnimator
        android:valueFrom="0"
        android:valueTo="1.0"
        android:duration="2000"
        android:propertyName="alpha" />
</set>
```

bottom_animator.xml

```
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android">
    <objectAnimator
        android:valueFrom="400"
        android:valueTo="400"
        android:duration="2000"
        android:propertyName="translationY"/>
    <objectAnimator
        android:valueFrom="1000"
        android:valueTo="0"
        android:duration="2000"
        android:propertyName="translationX"/>
    <objectAnimator
        android:valueFrom="0.1"
        android:valueTo="1.0"
        android:duration="2000"
        android:propertyName="alpha"/>
</set>
```

bottom_animator2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android">
    <objectAnimator
        android:valueFrom="1000"
        android:valueTo="0"
        android:duration="2000"
        android:propertyName="translationX"/>
    <objectAnimator
        android:valueFrom="550"
        android:valueTo="550"
```



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| Nom: | Grup: | | |

```
        android:duration="2000"
        android:propertyName="translationY"/>
<objectAnimator
    android:valueFrom="0.1"
    android:valueTo="1.0"
    android:duration="2000"
    android:propertyName="alpha"/>
</set>
```

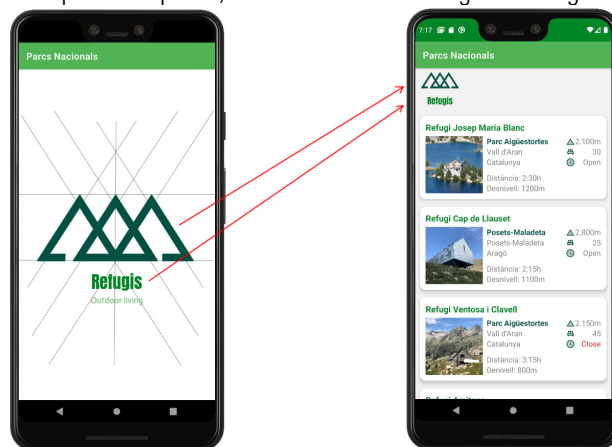
(0.5 punt)

Transició entre activitats **MainActivity** i **DashboardActivity**

imatge: logo1.png

text: Refugis

La imatge i el text passen a la part superior esquerra, com es mostra a la següent imatge:



MainActivity

DashboardActivity

Opció 1:

Utilitzant Handler i Runnable:

```
new Handler(Looper.getMainLooper()).postDelayed(new Runnable() {
    @Override
    public void run() {
        Intent intent = new Intent(MainActivity.this, DashboardActivity.class);
        Pair[] pairs = new Pair[2];
        pairs[0] = new Pair<View,String>(imageLogo,"image_origen");
        pairs[1] = new Pair<View,String>(textName,"textapp_origen");
        //Works only fro API > 21, then we need to surrounded by this if as suggested
        if (android.os.Build.VERSION.SDK_INT >= android.os.Build.VERSION_CODES.LOLLIPOP) {
            ActivityOptions options =
            ActivityOptions.makeSceneTransitionAnimation(MainActivity.this, pairs);
            startActivity(intent,options.toBundle());
        }
        finish();
    }
},SPLASH_SCREEN);
```



| | | | |
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| Nom: | Grup: | | |

Opció 2:

Podem afegir a l'animació un **Listener** i utilitzar el mètode **onAnimationEnd** per saber quan acaba l'animació i executar el codi corresponent.

Aquesta opció es pot consultar a Android:

<https://developer.android.com/training/transitions/start-activity>

//Opcio 2: Posar l'animació en listener i el metode onAnimationEnd podem executar codi un cop l'animació acabi

```
animationSet.addListener(new AnimatorListenerAdapter() {
    @Override
    public void onAnimationEnd(Animator animation) {
        super.onAnimationEnd(animation);
        Pair[] pairs = new Pair[2];
        pairs[0] = new Pair<View,String>(imageLogo,"image_origen");
        pairs[1] = new Pair<View,String>(textName,"textapp_origen");
        ActivityOptions options = ActivityOptions.makeSceneTransitionAnimation(
            MainActivity.this,
            pairs[0],
            pairs[1]
        );
        Intent intent = new Intent(MainActivity.this, DashboardActivity.class);
        startActivity(intent, options.toBundle());
    }
});
```

Opció 3:

La classe Pair a la versió 8 de Java s'ha actualitzat i es pot utilitzar d'una manera més directa amb el mètode **create()**. Per utilitzar la versió 8 de Java a Android, hem d'especificar-ho a build.gradle (nivell app) afegint les següents línies:

```
android {
    ...
    compileOptions {
        sourceCompatibility JavaVersion.VERSION_1_8
        targetCompatibility JavaVersion.VERSION_1_8
    }
}
```

Podem llegir més informació a la llibreria d'Android:

<https://developer.android.com/studio/write/java8-support>

//Opcio 3: utilitzant version 1.8

```
new Handler(Looper.getMainLooper()).postDelayed(new Runnable() {
    @Override
    public void run() {
        Intent intent = new Intent(MainActivity.this, DashboardActivity.class);
        //Works only fro API > 21, then we need to surrounded by this if as suggested
        if (android.os.Build.VERSION.SDK_INT >= android.os.Build.VERSION_CODES.LOLLIPOP) {
            ActivityOptions options = ActivityOptions.makeSceneTransitionAnimation(
                MainActivity.this,
                Pair.create(imageLogo,"image_origen"),
                Pair.create(textName, "textapp_origen")
            );
            startActivity(intent,options.toBundle());
        }
    }
});
```



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```
        finish();
    }
}, SPLASH_SCREEN);
```

dashboard_activity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/background"
        tools:context=".DashboardActivity">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent">
            <RelativeLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:paddingLeft="12dp"
                android:paddingEnd="12dp">
                <ImageView
                    android:id="@+id/imageLogo"
                    android:layout_width="80dp"
                    android:layout_height="40dp"
                    android:layout_alignParentStart="true"
                    android:transitionName="image_origen"
                    app:srcCompat="@drawable/logo" />
                <TextView
                    android:id="@+id/textViewLogo"
                    android:layout_width="80dp"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/imageLogo"
                    android:fontFamily="@font/anton"
                    android:gravity="center"
                    android:text="@string/textTitle"
                    android:textColor="@color/primaryDarkColor"
                    android:textSize="24sp"
                    android:transitionName="textapp_origen" />
            </RelativeLayout>
        </LinearLayout>
    </androidx.constraintlayout.widget.ConstraintLayout>
</ScrollView>
```




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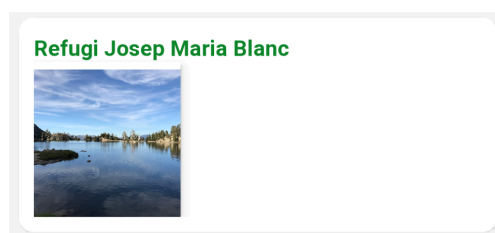
(1 punt)

DashboardActivity:

Ha d'incloure 5 CardViews, per aquest examen, cada CardView només cal que inclogui el títol i la imatge.

Mida imatge: 120dp x 120dp

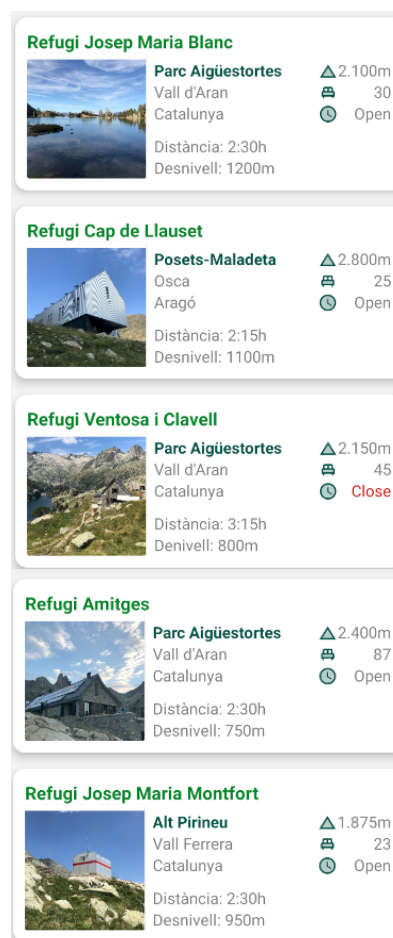
Mida text: 18sp



Contingut mínim per l'examen



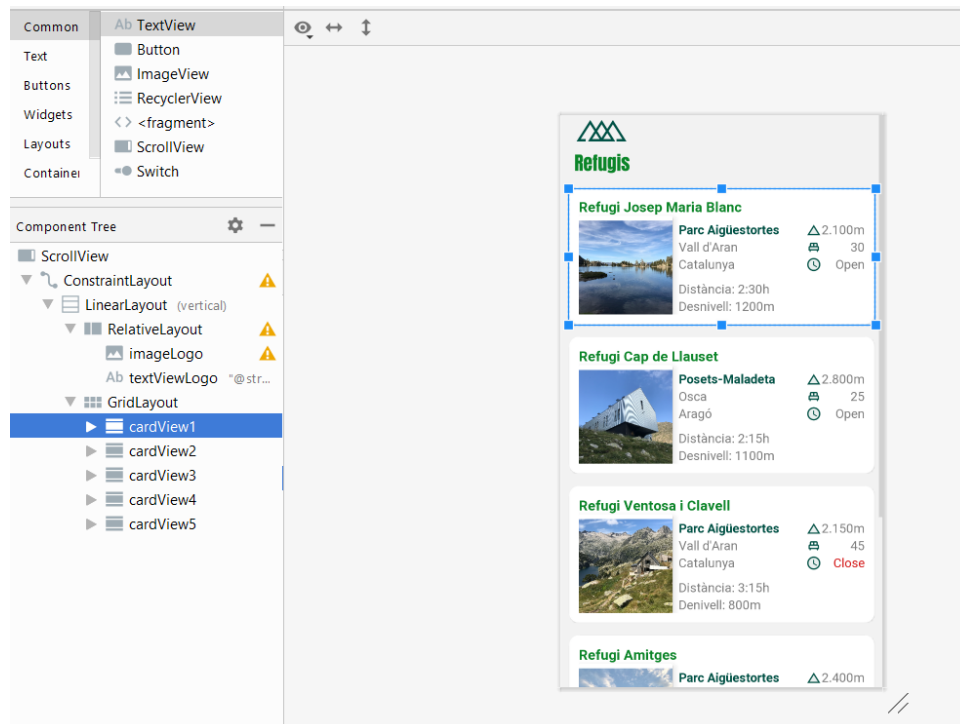
| títol Refugi | Imatge |
|-----------------------------|-----------|
| Refugi Josep Maria Blanc | foto1.png |
| Refugi Cap de Llauset | foto2.png |
| Refugi Ventosa i Clavell | foto3.png |
| Refugi Amitges | foto4.png |
| Refugi Josep Maria Montfort | foto5.png |





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| Nom: | Grup: | | |

dashboard_activity.xml



```
<androidx.gridlayout.widget.GridLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingLeft="6dp"
    android:paddingRight="6dp"
    android:paddingBottom="6dp"
    app:alignmentMode="alignMargins"
    app:columnCount="1"
    app:columnOrderPreserved="false"
    app:orientation="vertical">

    <androidx.cardview.widget.CardView
        android:id="@+id/cardView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="4dp"
        android:layout_marginTop="12dp"
        app:cardCornerRadius="12dp"
        app:cardElevation="6dp"
        app:contentPadding="6dp"
        app:layout_gravity="fill">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="6dp">
```



| | | | |
|--------------|-------------|-----------------|-------------|
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| Nom: | Grup: | | |

```
<TextView
    android:id="@+id/textName1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:text="@string/jmblanc"
    android:textColor="@color/primaryDarkColor"
    android:textSize="18sp"
    android:textStyle="bold" />

<androidx.cardview.widget.CardView
    android:id="@+id/cardViewImage1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textName1"
    android:padding="6dp">

    <ImageView
        android:id="@+id/imageCardView1"
        android:layout_width="120dp"
        android:layout_height="120dp"
        android:layout_marginTop="6dp"
        android:contentDescription="@string/app_name"
        android:scaleType="centerCrop"
        app:srcCompat="@drawable/foto1" />
</androidx.cardview.widget.CardView>

<TextView
    android:id="@+id/textPark1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textName1"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="6dp"
    android:layout_toEndOf="@id/cardViewImage1"
    android:text="@string/aiguestortes"
    android:textColor="@color/secondaryDarkColor"
    android:textSize="16sp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/textVall1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textPark1"
    android:layout_marginLeft="8dp"
    android:layout_toEndOf="@id/cardViewImage1"
    android:text="@string/aran"
    android:textSize="16sp" />

<TextView
    android:id="@+id/textRegion1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textVall1"
    android:layout_marginLeft="8dp"
    android:layout_toEndOf="@id/cardViewImage1"
```



| | | | |
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| Nom: | Grup: | | |

```
android:text="@string/catalunya"  
android:textSize="16sp" />
```

```
<TextView  
    android:id="@+id/textDistance1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_above="@id/textLevel1"  
    android:layout_marginLeft="8dp"  
    android:layout_toEndOf="@id/cardViewImage1"  
    android:text="@string/r1"  
    android:textSize="16sp" />
```

```
<TextView  
    android:id="@+id/textLevel1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignBottom="@id/cardViewImage1"  
    android:layout_marginLeft="8dp"  
    android:layout_toEndOf="@id/cardViewImage1"  
    android:text="@string/l1"  
    android:textSize="16sp" />
```

```
<TextView  
    android:id="@+id/textHeight1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignTop="@id/textPark1"  
    android:layout_alignParentEnd="true"  
    android:text="@string/h1"  
    android:textSize="16sp" />
```

```
<TextView  
    android:id="@+id/textBeds1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@id/textHeight1"  
    android:layout_alignParentEnd="true"  
    android:text="@string/b1"  
    android:textSize="16sp" />
```

```
<TextView  
    android:id="@+id/textOpen1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@id/textBeds1"  
    android:layout_alignParentEnd="true"  
    android:text="@string/open"  
    android:textSize="16sp" />
```

```
<ImageView  
    android:id="@+id/imgHeight1"  
    android:layout_width="20dp"  
    android:layout_height="20dp"  
    android:layout_alignBottom="@id/textHeight1"
```



| | | | |
|--------------|-------------|-----------------|-------------|
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| Nom: | Grup: | | |

```
        android:layout_toLeftOf="@id/textHeight1"
        app:srcCompat="@drawable/ic_pic" />

<ImageView
    android:id="@+id/imgBeds1"
    android:layout_width="20dp"
    android:layout_height="20dp"
    android:layout_alignLeft="@id/imgHeight1"
    android:layout_alignBottom="@id/textBeds1"
    app:srcCompat="@drawable/ic_bed2" />

<ImageView
    android:id="@+id/imgOpen1"
    android:layout_width="20dp"
    android:layout_height="20dp"
    android:layout_alignLeft="@id/imgHeight1"
    android:layout_alignBottom="@id/textOpen1"
    app:srcCompat="@drawable/ic_clock2" />

</RelativeLayout>

</androidx.cardview.widget.CardView>

..... Repetir les cardviews

</androidx.gridlayout.widget.GridLayout>
```



| | | | |
|--------------|-------------|-----------------|-------------|
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| Mòdul: | M08 Android | Data: 3.12.2020 | Temps: 2h |
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(0.5 punt)

ReservaActivity:

Nom, cognom, email, Número persones amb Material Design
Cada camp ha d'estar configurat amb el tipus de camp correcte:
Nom i cognom: camp de text
Email: camp de email
Número persones: camp numèric

Alçada imatge: 120dp

Nom

Cognoms

Email

Número de persones

```
<com.google.android.material.textfield.TextInputLayout
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/txtName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="@string/nom" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/txtSurnames"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="@string/cognoms" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/txtEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="@string/email"
        android:inputType="textEmailAddress" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
```



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```
<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/numPersones"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="@string/numpersones"
    android:inputType="number" />
</com.google.android.material.textfield.TextInputLayout>
```

Important:

Canviar l'estil a styles.xml per MaterialComponent si no està assignat:

```
<style name="AppTheme" parent="Theme.MaterialComponents.Light.DarkActionBar">
```

(1 punt)

ReservaActivity:

Crear un Spinner utilitzant la classe ArrayList, el contingut del Spinner ha de ser:

Selecciona Refugi
Refugi Josep Maria Blanc
Refugi Cap de Llauset
Refugi Ventosa i Clavell
Refugi Amitges
Refugi Josep Maria Montfort

```
List<String> refugis = new ArrayList<>();
refugis.add(0, getString(R.string.selecciona));
refugis.add(getString(R.string.jmblanc));
refugis.add(getString(R.string.llauset));
refugis.add(getString(R.string.ventosa));
refugis.add(getString(R.string.amitges));
refugis.add(getString(R.string.montfort));
```

```
ArrayAdapter<String> dataAdapter = new ArrayAdapter<>(ReservaActivity.this,
    R.layout.support_simple_spinner_dropdown_item,
    refugis);
dataAdapter.setDropDownViewResource(R.layout.support_simple_spinner_dropdown_item);
spinnerRegufis.setAdapter(dataAdapter);
```

```
spinnerRegufis.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        refugiSelected = parent.getItemAtPosition(position).toString();
        Toast.makeText(ReservaActivity.this, refugiSelected +
            " " + position, Toast.LENGTH_SHORT).show();
    }
    @Override
    public void onNothingSelected(AdapterView<?> parent) {
        Toast.makeText(ReservaActivity.this, "Nothing selected", Toast.LENGTH_SHORT).show();
    }
});
```

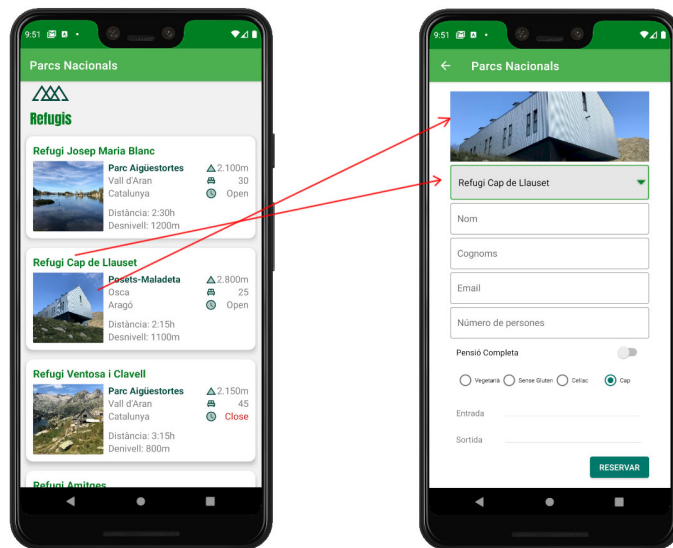


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(1 punt)

ReservaActivity:

Quan passem de **Dashboard** a **ReservaActivity**, el spinner mostra el refugi seleccionat i la foto del refugi corresponent.



DashboardActivity.java

```
public static final String REFUGI = "com.example.edt34.REFUGI";  
public static final String REFUGI_IMAGE = "com.example.edt34.REFUGI_IMAGE";
```

Opció 1:

```
cardView1.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String refugi = "Refugi Josep Maria Blanc";  
        int refugiImage = R.drawable.foto1;  
        Intent intent = new Intent(DashboardActivity.this, ReservaActivity.class);  
        intent.putExtra(REFUGI, refugi);  
        intent.putExtra(REFUGI_IMAGE, refugiImage);  
        startActivity(intent);  
    }  
});
```

```
cardView2.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String refugi = "Refugi Cap de Llauset";  
        int refugiImage = R.drawable.foto2;  
        Intent intent = new Intent(DashboardActivity.this, ReservaActivity.class);  
        intent.putExtra(REFUGI_IMAGE, refugiImage);  
        intent.putExtra(REFUGI, refugi);  
        startActivity(intent);  
    }  
});
```




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```
    }  
});  
  
cardView3.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String refugi = "Refugi Ventosa i Clavell";  
        int refugiImage = R.drawable.foto3;  
        Intent intent = new Intent(DashboardActivity.this, ReservaActivity.class);  
        intent.putExtra(REFUGI_IMAGE, refugiImage);  
        intent.putExtra(REFUGI, refugi);  
        startActivity(intent);  
    }  
});  
  
cardView4.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String refugi = "Refugi Amitges";  
        int refugiImage = R.drawable.foto4;  
        Intent intent = new Intent(DashboardActivity.this, ReservaActivity.class);  
        intent.putExtra(REFUGI_IMAGE, refugiImage);  
        intent.putExtra(REFUGI, refugi);  
        startActivity(intent);  
    }  
});  
  
cardView5.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String refugi = "Refugi Josep Maria Montfort";  
        int refugiImage = R.drawable.foto5;  
        Intent intent = new Intent(DashboardActivity.this, ReservaActivity.class);  
        intent.putExtra(REFUGI_IMAGE, refugiImage);  
        intent.putExtra(REFUGI, refugi);  
        startActivity(intent);  
    }  
});
```

Opció 2:

Per no repetir codi podem crear un mètode que realitzi el intent:

```
public void setClickListener(int cardID, int textID, int imgID) {  
    CardView cardView = findViewById(cardID);  
    cardView.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View v) {  
            Intent intent = new Intent(DashboardActivity.this, ReservaActivity.class);  
            intent.putExtra(REFUGI, textID);  
            intent.putExtra(REFUGI_IMAGE, imgID);  
            startActivity(intent);  
        }  
    });  
}  
  
setClickListener(R.id.cardView1, getString(R.string.jmblanc), R.drawable.foto1);  
setClickListener(R.id.cardView2, getString(R.string.llauset), R.drawable.foto2);  
setClickListener(R.id.cardView3, getString(R.string.ventosa), R.drawable.foto3);
```



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```
setOnClickListener(R.id.cardView4, getString(R.string.amitges), R.drawable.foto4);  
setOnClickListener(R.id.cardView5, getString(R.string.montfort), R.drawable.foto5);
```

ReservaActivity.java

```
private String refugi;  
private int refugiImage;  
// get the text from MainActivity  
Intent i = getIntent();  
refugi = i.getStringExtra(DashboardActivity.REFUGI);  
refugiImage = i.getIntExtra(DashboardActivity.REFUGI_IMAGE, 0);
```

Per la imatge:

```
imageRefugi.setImageResource(refugiImage);
```

Pel text:

Opció 1:

```
switch (refugi) {  
    case "Refugi Josep Maria Blanc":  
        spinnerRegufis.setSelection(1);  
        break;  
    case "Refugi Cap de Llauset":  
        spinnerRegufis.setSelection(2);  
        break;  
    case "Refugi Ventosa i Clavell":  
        spinnerRegufis.setSelection(3);  
        break;  
    case "Refugi Amitges":  
        spinnerRegufis.setSelection(4);  
        break;  
    case "Refugi Josep Maria Montfort":  
        spinnerRegufis.setSelection(5);  
        break;  
    default:  
        break;  
}
```

Opció 2:

Si volem utilitzar el recurs string, i no el Strings directament, no podem utilitzar **switch-case**, la versió de Java d'Android no ho permet, hem d'utilitzar un **if-else**:

```
if (refugi.equals(getString(R.string.jmblanc))) {  
    spinnerRegufis.setSelection(1);  
} else if (refugi.equals(getString(R.string.Llauset))) {  
    spinnerRegufis.setSelection(2);  
} else if (refugi.equals(getString(R.string.ventosa))) {  
    spinnerRegufis.setSelection(3);  
} else if (refugi.equals(getString(R.string.amitges))) {  
    spinnerRegufis.setSelection(4);  
} else if (refugi.equals(getString(R.string.montfort))) {  
    spinnerRegufis.setSelection(5);  
}
```



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(1 punt)

ReservaActivity:

Si canviem la selecció del spinner, també es canvia a la imatge correcte:



Refugi Josep Maria Blanc



Refugi Josep Maria Montfort

```
spinnerRegufis.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
    @Override  
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  
        refugiSelected = parent.getItemAtPosition(position).toString();  
        Toast.makeText(ReservaActivity.this, refugiSelected + " " + position,  
            Toast.LENGTH_SHORT).show();  
        selectImage(position);  
    }  
  
    @Override  
    public void onNothingSelected(AdapterView<?> parent) {  
        Toast.makeText(ReservaActivity.this, "Nothing selected", Toast.LENGTH_SHORT).show();  
    }  
});  
  
private void selectImage(int position) {  
    switch (position) {  
        case 1:  
            imageRefugi.setImageResource(R.drawable.foto1);  
            break;  
        case 2:  
            imageRefugi.setImageResource(R.drawable.foto2);  
            break;  
        case 3:  
            imageRefugi.setImageResource(R.drawable.foto3);  
            break;  
        case 4:  
            imageRefugi.setImageResource(R.drawable.foto4);  
            break;  
        case 5:  
            imageRefugi.setImageResource(R.drawable.foto5);  
            break;  
        default:  
            break;  
    }  
}
```

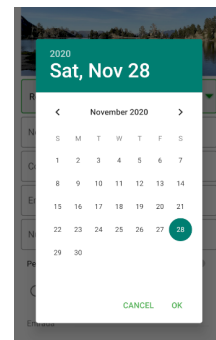


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(0.5 punt)

ReservaActivity:

Configurar dos camps Date amb DatePickerDialog i representar-lo com dd/mm/yyyy



```
//Posem el text a setOnCickListener:
textDateEntrada.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        //Guardem el dia actual amb Calendar.getInstance()
        final Calendar cldr = Calendar.getInstance();
        int day = cldr.get(Calendar.DAY_OF_MONTH);
        int month = cldr.get(Calendar.MONTH);
        int year = cldr.get(Calendar.YEAR);

        // date picker dialog
        picker = new DatePickerDialog(ReservaActivity.this,
            new DatePickerDialog.OnDateSetListener() {
                @Override
                public void onDateSet(DatePicker view, int year, int monthOfYear, int
dayOfMonth) {
                    textDateEntrada.setText(dayOfMonth + "/" + (monthOfYear + 1) + "/" +
year);
                }
            }, year, month, day);
        picker.show();
    }
});

//Posem el text a setOnCickListener:
textDateSortida.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        //Guardem el dia actual amb Calendar.getInstance()
        final Calendar cldr = Calendar.getInstance();
        int day = cldr.get(Calendar.DAY_OF_MONTH);
        int month = cldr.get(Calendar.MONTH);
        int year = cldr.get(Calendar.YEAR);

        // date picker dialog
        picker = new DatePickerDialog(ReservaActivity.this,
            new DatePickerDialog.OnDateSetListener() {
                @Override
                public void onDateSet(DatePicker view, int year, int monthOfYear, int
dayOfMonth) {
                    textDateSortida.setText(dayOfMonth + "/" + (monthOfYear + 1) + "/" +
year);
                }
            }, year, month, day);
        picker.show();
    }
});
```



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(2 punts)

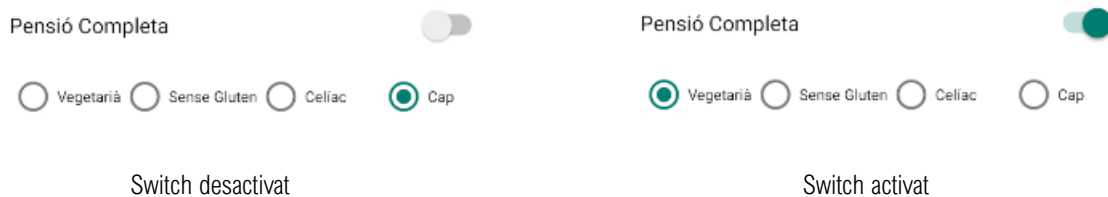
ReservaActivity:

Switch "Pensió Completa" (0.25)

Radio Group / Radio Buttons (0.25)

"Vegeterà", "Sense Gluten", "Celíac", "Cap"

Només es pot seleccionar els RadioButtons si el Switch està activat. Si desactivem el Switch, el RadioButton es canvia a "Cap" (1.5)



```
private Switch switchPensioCompleta;

switchPensioCompleta = (Switch) findViewById(R.id.switchPensioCompleta);

if (switchPensioCompleta != null) {
    switchPensioCompleta.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener()
    {
        @Override
        public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {
            if (isChecked) {
                Toast.makeText(ReservaActivity.this, "" + isChecked, Toast.LENGTH_SHORT).show();
                pensioCompleta = "SI";
                radioBtVegetaria.setClickable(true);
                radioBtGluten.setClickable(true);
                radioBtCeliac.setClickable(true);
                radioBtCap.setClickable(true);

                //int radioSelected = radioGroup.getCheckedRadioButtonId();
            } else {
                Toast.makeText(ReservaActivity.this, "Switch: " + isChecked,
                Toast.LENGTH_SHORT).show();
                radioBtVegetaria.setClickable(false);
                radioBtGluten.setClickable(false);
                radioBtCeliac.setClickable(false);
                radioBtCap.setClickable(false);
                radioBtCap.toggle();
            }
        }
    });
}
```



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Nom:

Grup:

```
private RadioGroup radioGroup;
private RadioButton radioBtVegetaria;
private RadioButton radioBtGluten;
private RadioButton radioBtCeliac;
private RadioButton radioBtCap;

radioGroup = (RadioGroup) findViewById(R.id.radioGroup);
radioBtVegetaria = (RadioButton) findViewById(R.id.radioBtVegetaria);
radioBtGluten = (RadioButton) findViewById(R.id.radioBtGluten);
radioBtCeliac = (RadioButton) findViewById(R.id.radioBtCeliac);
radioBtCap = (RadioButton) findViewById(R.id.radioBtCap);

radioGroup.setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() {
    @Override
    public void onCheckedChanged(RadioGroup group, int checkedId) {
        radioSelected = radioGroup.getCheckedRadioButtonId();
        //Toast.makeText(this, radioSelected, Toast.LENGTH_SHORT).show();
        //-1 vol dir radio group no seleccionat
        // if (radioSelected != -1) {
        menu = "";
        switch (radioSelected) {
            case R.id.radioBtVegetaria:
                Toast.makeText(getApplicationContext(), "Vegetaria", Toast.LENGTH_SHORT).show();
                menu = getString(R.string.vegetaria);
                break;
            case R.id.radioBtGluten:
                Toast.makeText(getApplicationContext(), "Gluten", Toast.LENGTH_SHORT).show();
                menu = getString(R.string.sensegluten);
                break;
            case R.id.radioBtCeliac:
                Toast.makeText(getApplicationContext(), "Celiac", Toast.LENGTH_SHORT).show();
                menu = getString(R.string.celiac);
                break;
            case R.id.radioBtCap:
                Toast.makeText(getApplicationContext(), "Cap", Toast.LENGTH_SHORT).show();
                menu = getString(R.string.cap);
                break;
            default:
                break;
        }
    }
});
```