```
Clear["Global`*"];

DynamicModule[{img, img2,
   saldo, tr, hora, dia, grosor,
   color, azul, verde, fuente, tama,
   f01, f02, f03, f04, f05, f06, f07, h1 = 5, h2 = 0, h3 = 0, d = "Lunes"},

  img = ;

  saldo = 27 300; tr = 0; hora = 0; dia; grosor = Thickness[0.007];
  color = ■; azul = RGBColor[0, 69 / 256, 124 / 256];
  verde = RGBColor[206 / 256, 210 / 256, 27 / 256];
  fuente = "Gabriola"; tama = 30;
  dia = d;
  f01[x_] := If[x == 0, "a.m", "p.m"];
  f02[h_, m_, a_] :=
   If[a == 0, If[h == 12, m / 60, h + m / 60], If[h == 12, h + m / 60, 12 + h + m / 60]];
  f03[d_, h_, m_, a_] :=
   If[d == "Domingo",
    Which[
     4 ≤ f02[h, m, a] ≤ f02[11, 59, 1],
     Graphics[{EdgeForm[{grosor, color}], FaceForm[],
       Rectangle[{280, 75}, {484, 19}], Rectangle[{69, 83}, {208, 55}]}],
     True, Graphics[{EdgeForm[{grosor, color}], FaceForm[azul],
       Rectangle[{150, 315}, {363, 257}], Style[Text["CERRADO",
          {154, 311} , {-1, 1}], 40, verde, Background → azul, Bold]}]],
     Which[
     4 ≤ f02[h, m, a] ≤ f02[5, 59, 0],
     Graphics[
      {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
       Rectangle[{19, 206}, {87, 98}], Rectangle[{69, 83}, {208, 55}]}],
     6 ≤ f02[h, m, a] ≤ f02[8, 29, 0],
     Graphics[
      {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
       Rectangle[{88, 169}, {157, 99}], Rectangle[{69, 46}, {208, 12}]}],
     f02[8, 30, 0] ≤ f02[h, m, a] ≤ f02[9, 29, 0],
```

```mathematica
      Graphics[
       {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
        Rectangle[{157, 169}, {224, 99}], Rectangle[{69, 83}, {208, 55}]}],
      f02[9, 30, 0] ≤ f02[h, m, a] ≤ f02[11, 59, 0],
      Graphics[
       {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
        Rectangle[{224, 169}, {292, 99}], Rectangle[{69, 46}, {208, 12}]}],
      f02[12, 00, 1] ≤ f02[h, m, a] ≤ f02[3, 29, 1],
      Graphics[
       {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
        Rectangle[{224, 169}, {292, 99}], Rectangle[{69, 46}, {208, 12}]}],
      f02[3, 30, 1] ≤ f02[h, m, a] ≤ f02[4, 29, 1],
      Graphics[
       {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
        Rectangle[{292, 169}, {360, 99}], Rectangle[{69, 83}, {208, 55}]}],
      f02[4, 30, 1] ≤ f02[h, m, a] ≤ f02[7, 29, 1],
      Graphics[
       {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
        Rectangle[{360, 169}, {428, 99}], Rectangle[{69, 46}, {208, 12}]}],
      f02[7, 30, 1] ≤ f02[h, m, a] ≤ f02[11, 59, 1],
      Graphics[
       {EdgeForm[{grosor, color}], FaceForm[], Rectangle[{185, 210}, {341, 175}],
        Rectangle[{432, 206}, {496, 99}], Rectangle[{69, 83}, {208, 55}]}],
      True,
      Graphics[{EdgeForm[{grosor, color}], FaceForm[azul],
        Rectangle[{150, 315}, {363, 257}], Style[Text["CERRADO",
          {154, 311} , {-1, 1}], 40, verde, Background → azul, Bold]}]]];
 f05[d_, h_, m_, a_, t_] :=
  If[d == "Domingo",
   Which[4 ≤ f02[h, m, a] ≤ f02[11, 59, 1], 1500, True, 0],
   Which[
    4 ≤ f02[h, m, a] ≤ f02[5, 59, 0], 1500,
    6 ≤ f02[h, m, a] ≤ f02[8, 29, 0], 1800,
    f02[8, 30, 0] ≤ f02[h, m, a] ≤ f02[9, 29, 0], 1500,
    f02[9, 30, 0] ≤ f02[h, m, a] ≤ f02[11, 59, 0], 1800,
```

```
     f02[12, 00, 1] ≤ f02[h, m, a] ≤ f02[3, 29, 1], 1800,
     f02[3, 30, 1] ≤ f02[h, m, a] ≤ f02[4, 29, 1], 1500,
     f02[4, 30, 1] ≤ f02[h, m, a] ≤ f02[7, 29, 1], 1800,
     f02[7, 30, 1] ≤ f02[h, m, a] ≤ f02[11, 59, 1], 1500,
     True, 0]];
f06[d_, h_, m_, a_, t_, hora_, dia_] :=
 If[t == 1 && dia == d,
   Which[5 / 60 ≤ f02[h, m, a] - hora ≤ 75 / 60,
    If[d == "Domingo", 0,
     Which[
       4 ≤ f02[h, m, a] ≤ f02[5, 59, 0], 0,
       6 ≤ f02[h, m, a] ≤ f02[8, 29, 0], 300,
       f02[8, 30, 0] ≤ f02[h, m, a] ≤ f02[9, 29, 0], 0,
       f02[9, 30, 0] ≤ f02[h, m, a] ≤ f02[11, 59, 0], 300,
       f02[12, 00, 1] ≤ f02[h, m, a] ≤ f02[3, 29, 1], 300,
       f02[3, 30, 1] ≤ f02[h, m, a] ≤ f02[4, 29, 1], 0,
       f02[4, 30, 1] ≤ f02[h, m, a] ≤ f02[7, 29, 1], 300,
       f02[7, 30, 1] ≤ f02[h, m, a] ≤ f02[11, 59, 1], 0,
       True, 0]],
     True, f05[d, h, m, a, t]], f05[d, h, m, a, t]];
f07[d_, h_, m_, a_, t_, hora_, dia_] :=
 If[t == 1 && dia == d,
   Which[5 / 60 ≤ f02[h, m, a] - hora ≤ 75 / 60,
    If[d == "Domingo", "Se realiza transbordo",
     Which[
       4 ≤ f02[h, m, a] ≤ f02[5, 59, 0], "Se realiza transbordo",
       6 ≤ f02[h, m, a] ≤ f02[8, 29, 0], "Se realiza transbordo",
       f02[8, 30, 0] ≤ f02[h, m, a] ≤ f02[9, 29, 0], "Se realiza transbordo",
       f02[9, 30, 0] ≤ f02[h, m, a] ≤ f02[11, 59, 0], "Se realiza transbordo",
       f02[12, 00, 1] ≤ f02[h, m, a] ≤ f02[3, 29, 1], "Se realiza transbordo",
       f02[3, 30, 1] ≤ f02[h, m, a] ≤ f02[4, 29, 1], "Se realiza transbordo",
       f02[4, 30, 1] ≤ f02[h, m, a] ≤ f02[7, 29, 1], "Se realiza transbordo",
       f02[7, 30, 1] ≤ f02[h, m, a] ≤ f02[11, 59, 1], "Se realiza transbordo",
       True, ""]],
     True, ""], ""];
```

```
Manipulate[Panel[Column[{
    Grid[{{
      Column[{Style["Día y hora del viaje",
          tama - 8, verde, Bold, FontFamily → fuente],
        PopupMenu[Dynamic[d], {"Lunes", "Martes", "Miércoles",
          "Jueves", "Viernes", "Sábado", "Domingo"}],
        Row[{PopupMenu[Dynamic[h1], Range[1, 12]], "        ", PopupMenu[
          Dynamic[h2], Table[i, {i, 0, 59, 5}]], "      ", SetterBar[Dynamic[
           h3], {0 → " a.m ", 1 → " p.m "}, Appearance → "Vertical"]}], , ,
        Style[Column[{
          Row[{"La fecha es: ",}],
          Dynamic[d],
          Which[h2 == 0, Row[{ Dynamic[h1],
              " : 0", Dynamic[h2], "     ", Dynamic[f01[h3]]}],
            h2 == 05, Row[{ Dynamic[h1], " : 0", Dynamic[h2],
                "       ", Dynamic[f01[h3]]}],
             True, Row[{ Dynamic[h1], " : ", Dynamic[h2], "      ", Dynamic[
                 f01[h3]]}]}], tama, verde, Bold, FontFamily → fuente]}],
      Show[Image[img, ImageSize → 500], f03[d, h1, h2, h3]]},
     {If[saldo < 0,
        Column[
         {Style["No hay saldo", tama, verde, Bold, FontFamily → fuente],
          Style["Recargar tarjeta", tama, verde, Bold,
           FontFamily → fuente]}],
        Column[{Style["Pagar pasaje", tama, verde, Bold,
           FontFamily → fuente],
          Button["Pagar", {saldo = saldo - f06[d, h1, h2, h3, tr, hora, dia];
            If[tr == 0, tr = 1,
             If[dia == d &&
                5 / 60 ≤ f02[h1, h2, h3] - hora ≤ 75 / 60, tr = 0, tr = 1]];
            dia = d;
            hora = f02[h1, h2, h3]}],
          Style[Row[{"valor: ", f06[d, h1, h2, h3, tr, hora, dia]}],
           tama, verde, Bold, FontFamily → fuente]}]],
       Style[f07[d, h1, h2, h3, tr, hora, dia], tama, verde,
```

```
     Bold, FontFamily → fuente]},
   {Column[{Style["Saldo de la tarjeta", tama - 5, verde,
      Bold, FontFamily → fuente], Style[Dynamic[saldo],
      tama + 5, verde, Bold, FontFamily → fuente]}],
   Grid[{{Style["Reiniciar tarjeta ", tama, verde, Bold,
      FontFamily → fuente], "          ", Style["Recargar tarjeta", tama,
      verde, Bold, FontFamily → fuente] }, {Button["Saldo $27 300",
      {saldo = 27 300; tr = 0; hora = 0; dia = d}], ,
     Row[{Button["+    $100", saldo = saldo + 100],
       Button["+    $500", saldo = saldo + 500],
       Button["+    $1 000", saldo = saldo + 1000],
       Button["+    $10 000", saldo = saldo + 10000]}, "      "]}}]}}]}},
 Alignment → {{Right, Center}}], Background → azul]]
```

Día y hora del viaje

Lunes ▼

5 ▼   0 ▼

a.m

p.m

Atención

Nuevas tarifas
Lunes a Sábado

☀️ valle	pico	valle	pico	valle	pico	🌙 valle
inicio 5:59 a.m.	6:00 a.m. 8:29 a.m.	8:30 a.m. 9:29 a.m.	9:30 a.m. 3:29 p.m.	3:30 p.m. 4:29 p.m.	4:30 p.m. 7:29 p.m.	7:30 p.m. cierre

valle $1.500
pico $1.800

Domingos y Festivos   valle todo el día

La fecha es:

Lunes

5 : 00   a.m

Pagar pasaje

Pagar

valor: 1500

Saldo de la tarjeta
27 300

Reiniciar tarjeta

Saldo $27 300

Recargar tarjeta

+ $100   + $500   + $1 000   + $10 000