Events

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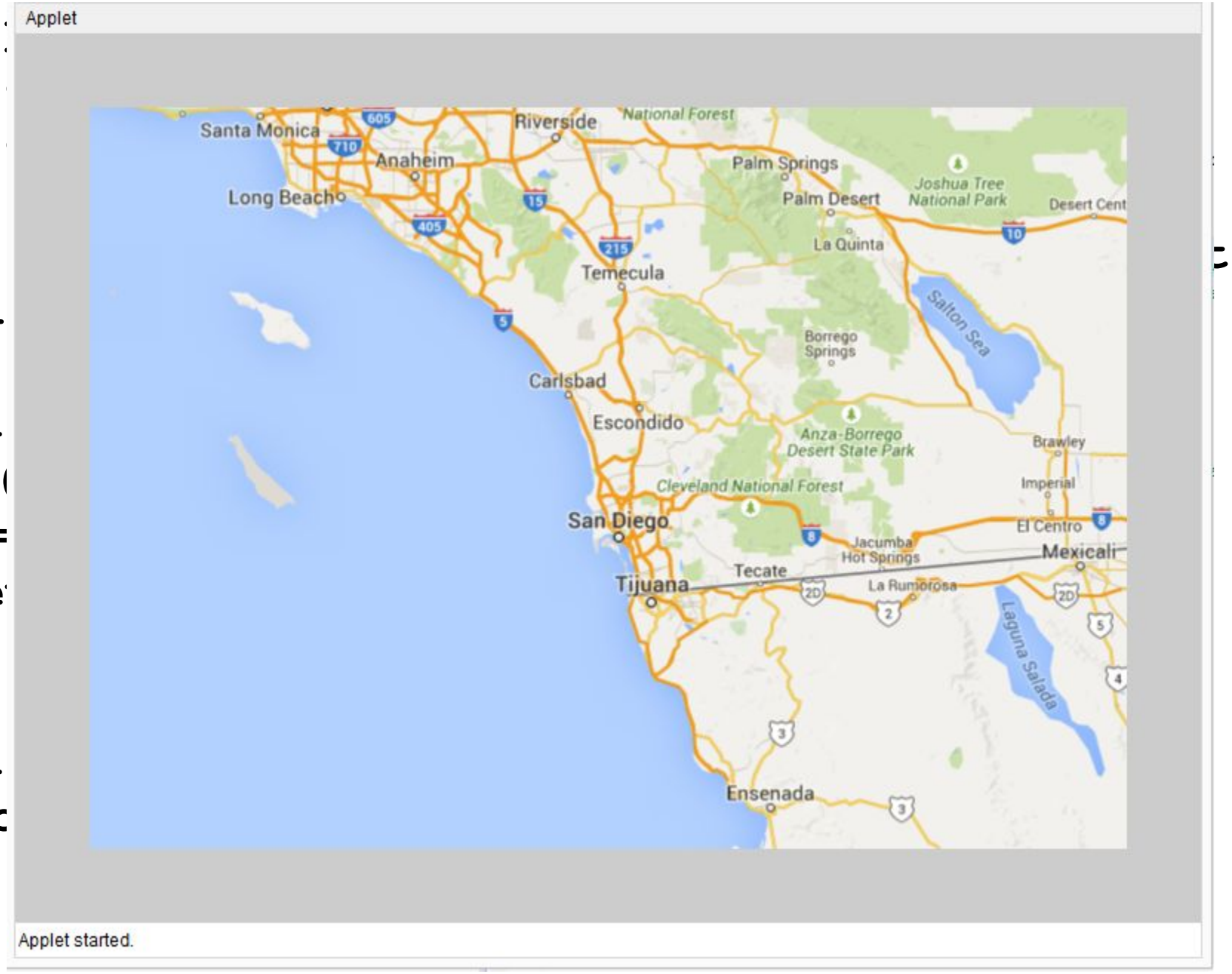
by Christine Alvarado, Mia Minnes, and Leo Porter, 2015.

By the end of this video you will be able to …

- Trace event-driven code
- Explain how mouse-clicks and keyboard input interact with the program execution

```
import processing.core.*;
import de.fhpotsdam.unfolding.*;
import de.fhpotsdam.unfolding.providers.Google;

public class MyPApplet extends PApplet {
  private UnfoldingMap map;

  public void setup() {
   size(800,600,OPENGL);
   map = new UnfoldingMap(this, 50, 50, 700, 500,
      new Google.GoogleMapProvider() );
  }

  public void draw() {
   map.draw();
  }
}
```

```
import
import
import

public                                          {
  priva

  publi
   size(
   map =
      ne
  }

  publi
   map.c
  }
}
```



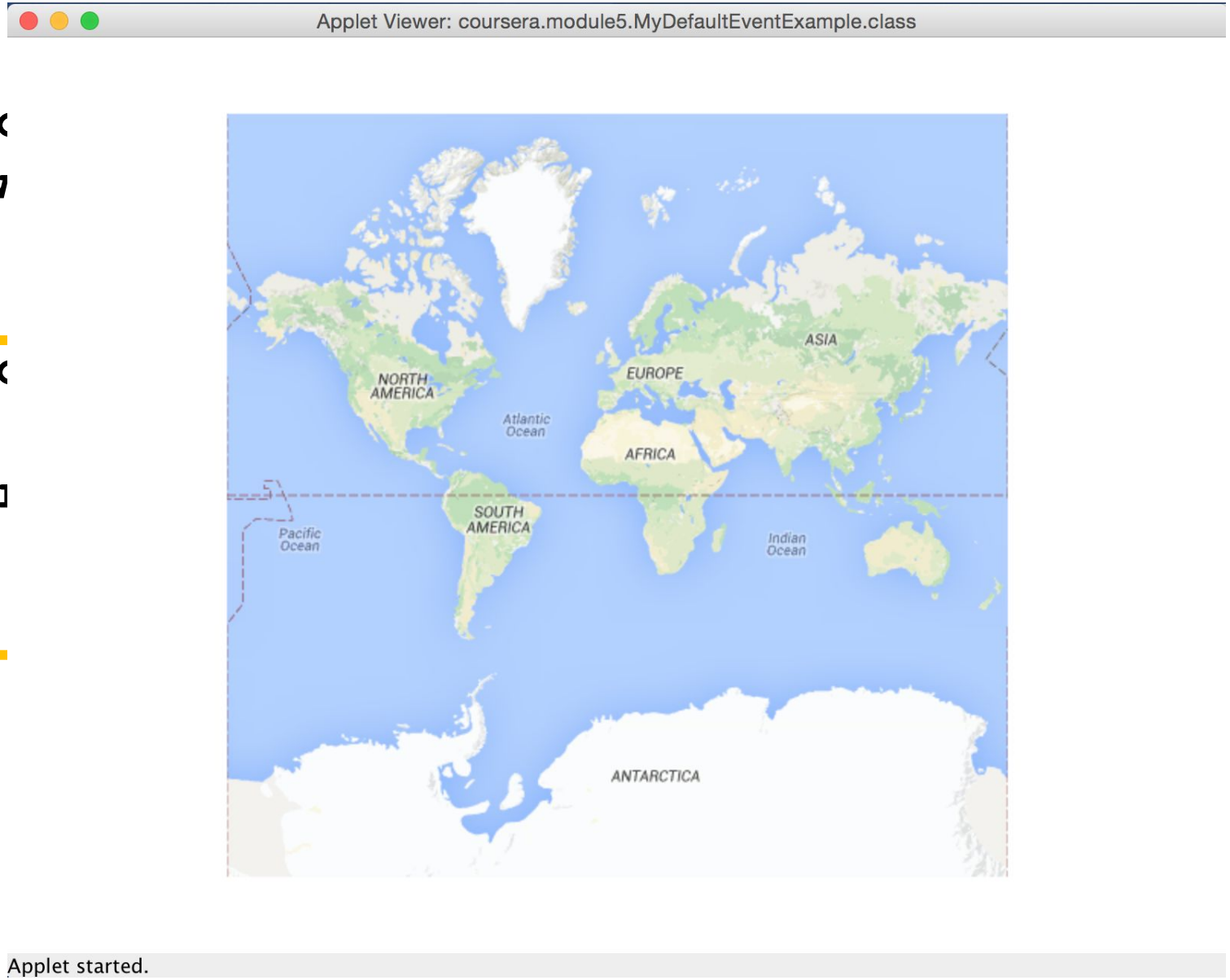
```
import processing.core.*;
import de.fhpotsdam.unfolding.*;
import de.fhpotsdam.unfolding.providers.Google;

public class MyDefaultEventExample extends PApplet {
  private UnfoldingMap

  public void setup() {
   size(800,600,OPENGL);
   map = new UnfoldingMap(this, 50, 50, 700, 500,
      new Google.GoogleMapProvider() );
  }

  public void draw() {
   map.draw();
  }
}
```

Once

Continuous loop

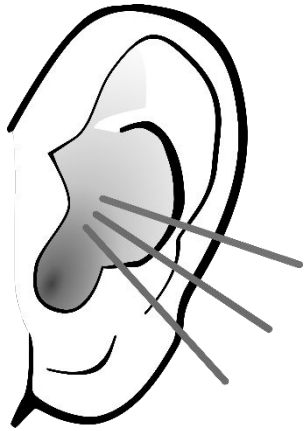
```
...

  public void draw() {
   map.draw();
   }

  public void keyPressed() {
   if (key == 'w') {
      background(255,255,255);
   }
  }

}
```

```
...

  public vo
   map.draw
   }

  public vo
   if (key
      backgr
   }
  }

}
```

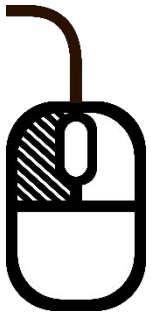


```
...

  public void draw() {
   map.draw();
   }

  public void keyPressed() {
   if (key == 'w') {
      background(255,255,255);
   }
  }

}
```

c

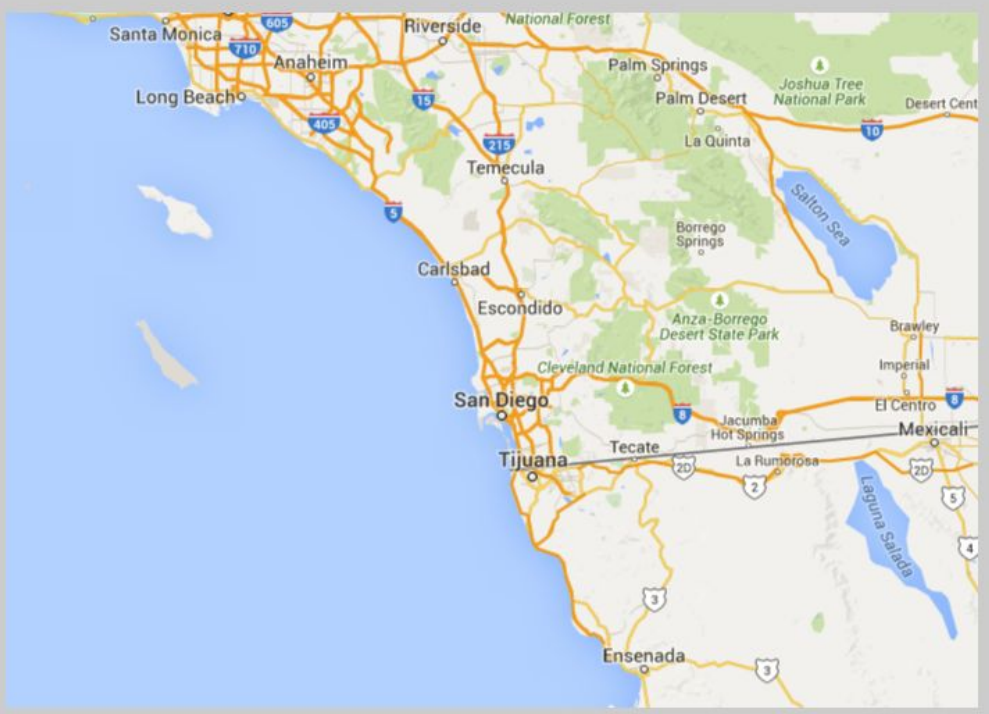


Listener

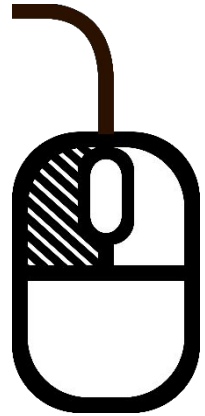


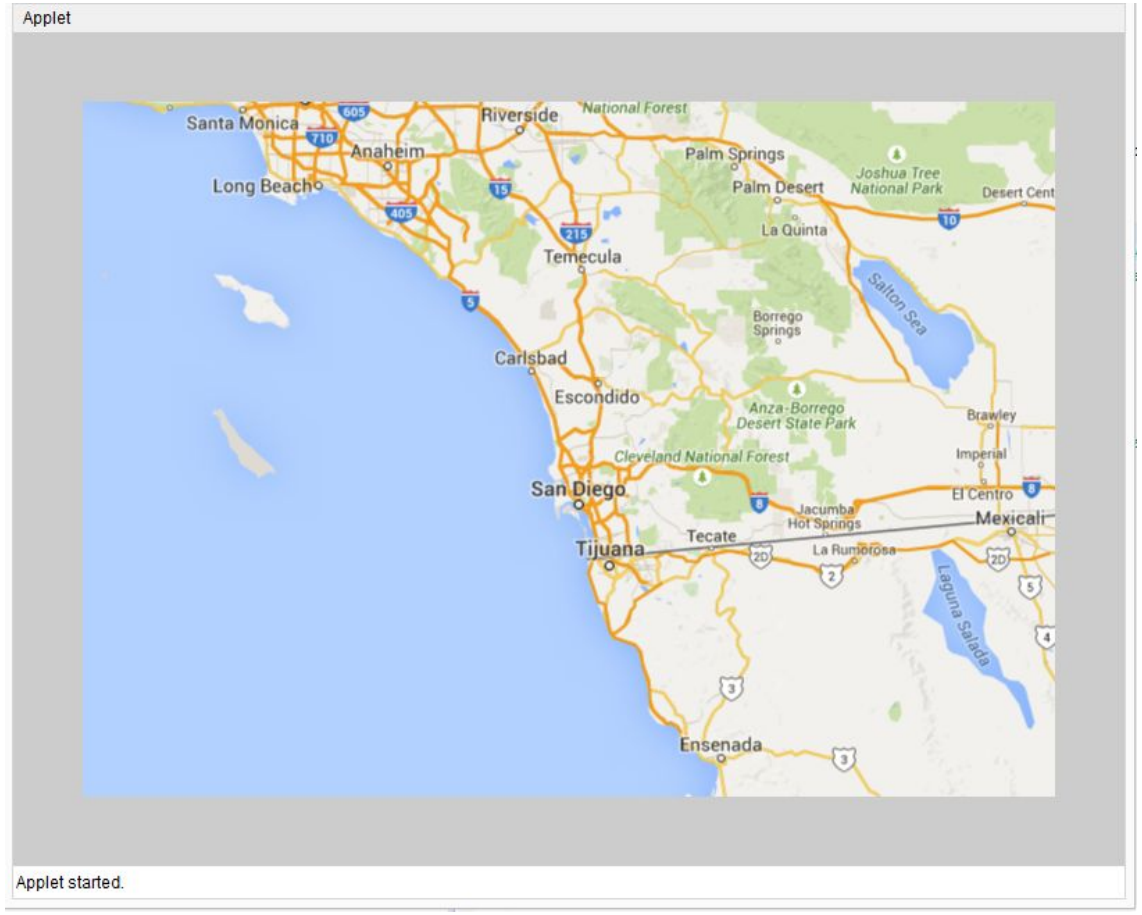
```
...
import de.fhpotsdam.unfolding.utils.MapUtils;

public class DefaultEventExample extends PApplet {
  private UnfoldingMap map;

  public void setup() {
   map = new UnfoldingMap(this, 50, 50, 700, 500,
        new  Google.GoogleMapProvider());
   MapUtils.createDefaultEventDispatcher(this, map);
   }

   ...

}
```

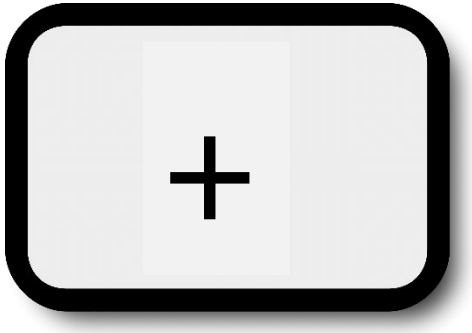
Applet



Applet started.




Applet
Santa Monica
Riverside
National Forest
Anaheim
Palm Springs
Long Beach
Palm Desert
Joshua Tree National Park
Desert Cent
La Quinta
Temecula
Salton Sea
Borrego Springs
Carlsbad
Escondido
Anza-Borrego Desert State Park
Brawley
Cleveland National Forest
Imperial
San Diego
El Centro
Jacumba Hot Springs
Mexicali
Tecate
Tijuana
La Rumorosa
Laguna Salada
Ensenada
Applet started.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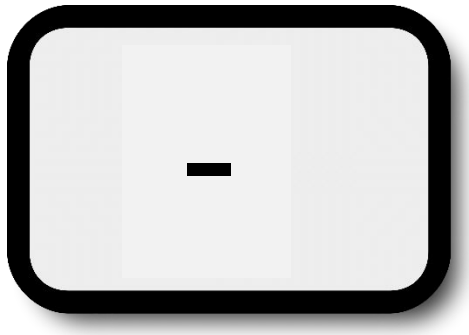
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