```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!--

google1.html

Computer Science E-75
David J. Malan

Fills the window with a map centered on Cambridge.

-->


<html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
  <head>
    <title></title>
    <script src="http://maps.google.com/maps?file=api&amp;v=2&amp;key=ABQIAAAA8igYd929VTmOEMLNjNyP1xSEziMNlTbhQux6Dd1peYjp
W-7jNBQ_Jw6QrcRe81uNU5b6imhn7Pc7kg" type="text/javascript"></script>
    <script type="text/javascript">
    // <![CDATA[


        /*
         * void
         * initialize()
         *
         * Initializes our map.
         */
        function initialize()
        {
            // ensure browser supports Google's API
            if (GBrowserIsCompatible())
            {
                // instantiate map
                var map = new GMap2(document.getElementById("map"));

                // center map on Cambridge
                map.setCenter(new GLatLng(42.375, -71.106111), 15);
            }
        }

    //]]>
    </script>
  </head>
  <body onload="initialize()" onunload="GUnload()" style="height: 100%; margin: 0px;">
    <div id="map" style="height: 100%; width: 100%;"></div>
```

```
  </body>
</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!--

google2.html

Computer Science E-75
David J. Malan

Demonstrates controls.

-->


<html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
  <head>
    <title></title>
    <script src="http://maps.google.com/maps?file=api&amp;v=2&amp;key=ABQIAAAA8igYd929VTmOEMLNjNyP1xSEziMNlTbhQux6Dd1peYjp
W-7jNBQ_Jw6QrcRe81uNU5b6imhn7Pc7kg" type="text/javascript"></script>
    <script type="text/javascript">
    // <![CDATA[


        /*
         * void
         * initialize()
         *
         * Initializes our map.
         */
        function initialize()
        {
            // ensure browser supports Google's API
            if (GBrowserIsCompatible())
            {
                // instantiate map
                var map = new GMap2(document.getElementById("map"));

                // center map on Cambridge
                map.setCenter(new GLatLng(42.375, -71.106111), 15);

                // add large control for navigation
                map.addControl(new GLargeMapControl());

                // add control for type
                map.addControl(new GMapTypeControl());

                // enable scroll wheel for zooming
```

```
                    map.enableScrollWheelZoom();
                }
            }

        //]]>
        </script>
    </head>
    <body onload="initialize()" onunload="GUnload()" style="height: 100%; margin: 0px;">
        <div id="map" style="height: 100%; width: 100%;"></div>
    </body>
</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!--

google3.html

Computer Science E-75
David J. Malan

Demonstrates event handling.

-->


<html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
  <head>
    <title></title>
    <script src="http://maps.google.com/maps?file=api&amp;v=2&amp;key=ABQIAAAA8igYd929VTmOEMLNjNyP1xSEziMNlTbhQux6Dd1peYjp
W-7jNBQ_Jw6QrcRe81uNU5b6imhn7Pc7kg" type="text/javascript"></script>
    <script type="text/javascript">
    // <![CDATA[


        /*
         * void
         * initialize()
         *
         * Initializes our map.
         */
        function initialize()
        {
            // ensure browser supports Google's API
            if (GBrowserIsCompatible())
            {
                // instantiate map
                var map = new GMap2(document.getElementById("map"));

                // center map on Cambridge
                map.setCenter(new GLatLng(42.375, -71.106111), 15);

                // yell at users if they try to leave
                GEvent.addListener(map, "moveend", function() {
                    alert("Where do you think you're going?!");
                });
            }
        }
```

```
      //]]>
    </script>
  </head>
  <body onload="initialize()" onunload="GUnload()" style="height: 100%; margin: 0px;">
    <div id="map" style="height: 100%; width: 100%;"></div>
  </body>
</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!--

google4.html

Computer Science E-75
David J. Malan

Demonstrates GMarkers.

-->


<html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
  <head>
    <title></title>
    <script src="http://maps.google.com/maps?file=api&amp;v=2&amp;key=ABQIAAAA8igYd929VTmOEMLNjNyP1xSEziMNlTbhQux6Dd1peYjp
W-7jNBQ_Jw6QrcRe81uNU5b6imhn7Pc7kg" type="text/javascript"></script>
    <script type="text/javascript">
    // <![CDATA[


        /*
         * void
         * initialize()
         *
         * Initializes our map.
         */
        function initialize()
        {
            // ensure browser supports Google's API
            if (GBrowserIsCompatible())
            {
                // instantiate map
                var map = new GMap2(document.getElementById("map"));

                // center map on Cambridge
                map.setCenter(new GLatLng(42.375, -71.106111), 15);

                // marks Harvard Hall
                var marker = new GMarker(new GLatLng(42.3748, -71.1182));
                map.addOverlay(marker);
            }
        }

    //]]>
```

```
      </script>
    </head>
    <body onload="initialize()" onunload="GUnload()" style="height: 100%; margin: 0px;">
      <div id="map" style="height: 100%; width: 100%;"></div>
    </body>
</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!--

google5.html

Computer Science E-75
David J. Malan

Demonstrates GInfoWindows.

-->


<html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
  <head>
    <title></title>
    <script src="http://maps.google.com/maps?file=api&amp;v=2&amp;key=ABQIAAAA8igYd929VTmOEMLNjNyP1xSEziMNlTbhQux6Dd1peYjp
W-7jNBQ_Jw6QrcRe81uNU5b6imhn7Pc7kg" type="text/javascript"></script>
    <script type="text/javascript">
    // <![CDATA[


        /*
         * void
         * initialize()
         *
         * Initializes our map.
         */
        function initialize()
        {
            // ensure browser supports Google's API
            if (GBrowserIsCompatible())
            {
                // instantiate map
                var map = new GMap2(document.getElementById("map"));

                // Harvard Hall's coordinates
                var point = new GLatLng(42.3748, -71.1182);

                // center map on Harvard Hall
                map.setCenter(point, 17);

                // show a hybrid map
                map.setMapType(G_HYBRID_MAP);

                // mark Harvard Hall
```

```
            var marker = new GMarker(point);
            map.addOverlay(marker);

            // attach info window to marker
            GEvent.addListener(marker, "click", function() {
                var html = "<a href='http://www.fas.harvard.edu/~ims/Class/harvard202.html'>Harvard Hall 202</a>";
                map.openInfoWindowHtml(point, html);
            });
        }
    }

    //]]>
    </script>
  </head>
  <body onload="initialize()" onunload="GUnload()" style="height: 100%; margin: 0px;">
    <div id="map" style="height: 100%; width: 100%;"></div>
  </body>
</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!--

google6.html

Computer Science E-75
David J. Malan

Demonstrates geocoding, event handling, and panning.

-->


<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title></title>
    <script src="http://maps.google.com/maps?file=api&amp;v=2&amp;key=ABQIAAAA8igYd929VTmOEMLNjNyP1xSEziMNlTbhQux6Dd1peYjp
W-7jNBQ_Jw6QrcRe81uNU5b6imhn7Pc7kg" type="text/javascript"></script>
    <script type="text/javascript">
    // <![CDATA[

        // our geocoder
        var geocoder = null;

        // our map
        var map = null;


        /*
         * void
         * initialize()
         *
         * Initializes our map.
         */
        function initialize()
        {
            // ensure browser supports Google's API
            if (GBrowserIsCompatible())
            {
                // instantiate map
                map = new GMap2(document.getElementById("map"));

                // center map
                map.setCenter(new GLatLng(0,0), 2);

                // prepapre a geocoder
```

```
            geocoder = new GClientGeocoder();

            // give focus to form
            document.forms[0].address.focus();
        }
    }


    /*
     * void
     * go(address)
     *
     * Goes to address if possible.
     */
    function go(address)
    {
        // ensure geocoder exists
        if (!geocoder)
            return;

        geocoder.getLatLng(address, function(point) {
            if (!point)
                alert("Address not found!");
            else
            {
                map.setCenter(point);
                map.setZoom(15);
            }
        });
    }

    //]]>
    </script>
  </head>
  <body onload="initialize()" onunload="GUnload()">
    <div style="padding: 20px; text-align: center;">
      <h1>Fake Google</h1>
      <form action="" method="" onsubmit="go(this.address.value); return false;">
        <input name="address" type="text" />
        <input type="submit" value="Go" />
      </form>
    </div>
    <div align="center">
      <div id="map" style="height: 320px; width: 480px;"></div>
    </div>
  </body>
</html>
```