

Communicating Iterative Designs

Students view examples of programs that are already achieved. They understand the programs, yet are not learning how to get there.

How can we transmit the process of software development?

3. eL-CID uses a development history made of the initial sources and its modifications

```
<elcid>
<source>
<!--html-->
<!--body-->
<a href="http://images.google.com/">Over here</a>
<p>

</body>
</source>
<iteration>
<move>
<!--linenumber--></linenumber>
<!--colnumber--></colnumber>
</move>
<insert>
<!--chars--> name="photo"</chars>
</insert>
<move>
<!--linenumber--></linenumber>
<!--colnumber--></colnumber>
</move>
<insert>
<!--chars--> onMouseover = "photo.src='images/bull.gif';"</chars>
</insert>
</iteration>
</elcid>
```

1. Show development by annotating program code

```
<HTML>
<head> ... </head>
<body>
<a href="http:// whatever"> link </a>
<br>

</body>
</HTML>
```

onClick = "document.pic.src = 'other_logo.gif';"

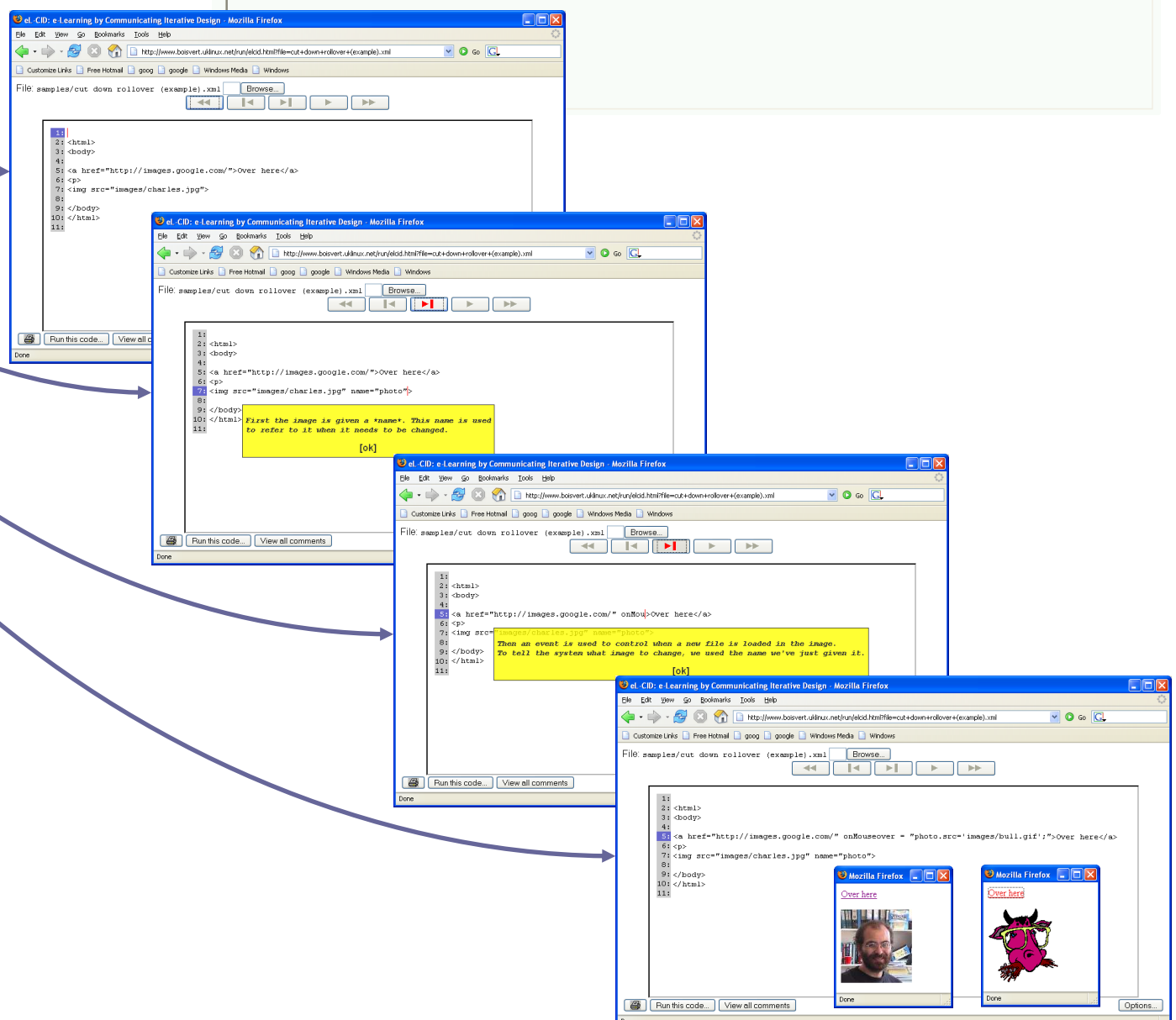
name = pic

2. Show multiple, successive program versions, a technique often used in print.

```
1: |
2: <html>
3: <body>
4:
5: <a href="http://images.google.com/">Over here</a>
6: <p>
7: 
8:
9: </body>
10: </html>
11: |
```

```
1:
2: <html>
3: <body>
4:
5: <a href="http://images.google.com/" onMouseover = "photo.src='images/bull.gif';">Over here</a>
6: <p>
7: 
8:
9: </body>
10: </html>
11:
```

The development history is turned into an animation of the program development that can be viewed by the learners.



Charles Boisvert
Norwich City College