

CISC 110 Assignment 3: **Changed**

In this assignment, you will create an interactive birthday card that you design for a friend or relative. In the lab portion, you will create a wheeled object and a birthday message animated using a frame loop, similar to *4.4 Case Study 1*, pages 180-184 of your text. In the assignment portion, you will create a composite MovieClip of a face whose expression is controlled with ActionScript similar to *4.2.2 Examples 1 and 2*, pages 163-166, **OR** you will create a composite MovieClip composed of MovieClips that each have their own timelines, which are controlled with ActionScript, similar to *4.2.3, Example 2*, pages 168-170. You will also add music or other sounds to your card.

You may incorporate these within any birthday card design of your choice. A good plan would be to use two frames on your main timeline: one for the “cover” and one for the “inside” of your card. Be sure to design your own variations of the examples in the text that are significantly different from those examples in order to learn and practice ActionScript. Remember that the purpose of the assignments is for you to learn ActionScript and animation. Your mark for the course primarily will be determined by your demonstration of what you’ve learned when you take the tests and design and implement your final project.

Below are the main steps for your assignment. You decide the intermediary steps.

1. In the lab, create a simplified version that has a wheeled object and a birthday message animated using a frame loop. For details, see the `Lab 3` instructions.
2. Design your birthday card, following the design process shown in class and in *Case Study 2*, page 75 of your text. You will show the following to your TA as part of your mark: storyboard, Table of Functions, Table of Display Objects, Table of Properties of MovieClip Instances, and Timeline design. Start with the tables you have been given for the lab and add to them as needed for your assignment.
3. Modify your work from your lab by placing your animated text and wheeled object where you want them for your final card design. Also, create any backgrounds you have decided upon and add them.
4. If you are using more than one frame on your main timeline for your card, add a button to go to the next frame. If your wheeled object will be on your second frame, you will only want your frame loop to start when you go to the second frame, so move your `addEventListener` statement from your constructor function to inside your button handler function.

Choose ONE of Steps 5 or 6, your choice. You only need to complete one, not both.

5. Create a composite MovieClip of a face whose expression is controlled with ActionScript similar to 4.2.2 Examples 1 and 2, pages 163-166. Add an instance of it to the stage and add a button that controls when the expression changes.
6. create a composite MovieClip composed of MovieClips that each have their own timelines, which are controlled with ActionScript, similar to 4.2.3, Example 2, pages 168-170. Add an instance of it to the stage and add ActionScript to control it.
7. Add music or sounds to your card. These could be on your main timeline or in the timelines of some of your MovieClips. Create any other objects or text you've designed and add them to the stage.
8. Once your birthday card is working the way you'd like, publish it and upload it to the CISC 110 web space. You need to upload two files: your .swf and .html files. Do not upload your .fla or .as files.

Assignment 3 Marking Scheme (2% of final mark)

Marked out of 10:

2 marks: Design process document (can be hand-written) with storyboard, Table of Functions, Table of Display Objects, Table of Properties of MovieClip Instances, and Timeline design. A problem description is not required, since the assignment description gives that.

5 marks: Composite MovieClip of a face whose expression is controlled with ActionScript **OR** Composite MovieClip composed of MovieClips that each have their own timelines, which are controlled with ActionScript

1 mark: Everything integrated into an overall birthday card design

1 mark: Includes music or sounds somewhere in the birthday card

1 mark: Assignment 3 is published and uploaded on the CISC 110 website (.swf and .html files).