Name:	CodeAIR Unit 1 Remix Project Planning Guide
Remix Step 1: Review your code from Mission 2 and Mission 3	
Mission 2: Introducing CodeAIR During the mission you completed 1 program: **Lights1**. Describe what the program does, and the programming concepts learned and used:	
Mission 3: Pre-Flight Check During the mission, you completed 4 programs: **CycleLEDs, Melody, SkyLights, RunningLights**. Describe each one, and the programming concepts learned and used:	
Remix Step 2: Remix Project Concept	
Discuss remix ideas with your partner. Then decide what you want to do. Describe your remix project:	
Remix Step 3: Plan your code. Answer the questions below to help you plan and design the remix project before you start to write code.	
What will you use the blue LEDS for? Will you need a variable, loop or if statement to control the LEDs?	
What will you use the pixel LEDs for? Will you need a variable, loop or if statement to control the LEDs?	
Will you incorporate sound into your project? If so, when will it play? How will you do it?	

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Remix Step 4: Write your code
Start a new file. Use the sandbox when you write the code. Write just a few lines at a time and test often. You can use your completed programs as a reference and to help you with the code.

Remix Step 5: Commenting and feedback	
Documentation	- Make sure your code is readable by adding blank lines - Add comments to explain sections of code

Peer feedback: Get feedback from two (or more) people. You can be one of the peer reviewers.

Peer Review #1 Name:	
Go through the checklist. Are all requirements met? If not, list any missing criteria.	
What do you like about the program – be specific!	
Give at least one suggestion. Begin with "what if" or "maybe you could"	
Peer Review #2 Name:	
Go through the checklist. Are all requirements met? If not, list any missing criteria	
What do you like about the program – be specific!	
Give at least one suggestion. Begin with "what if" or "maybe you could"	
Review the comments. Then take time to improve or add to your project.	

Post-Mission Reflection	
What did you change in your project after reading the feedback?	
What did you learn about programming from completing this project?	

Unit 1 Remix Project Rubric Checklist:

- ☐ New file is used and filename is descriptive
- ☐ Define and use a constant
- ☐ Define and use a variable
- ☐ Turns on at least one blue LED
- ☐ Turns on at least one pixel LED
- ☐ Uses a sleep delay one or more times
- ☐ Uses a while loop
- ☐ Uses a for loop
- ☐ Plays at least two notes using the speaker
- ☐ Is different from required programs
- ☐ Includes comments and whitespace for readability
- ☐ Code runs with no errors