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CS-370

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3-2 Milestone: Enhancement Backlog

I made several improvements and changes to the original slideshow to create the new and improved version:

1. Added Content- The old version only was capped at 5 slides with a broad topic, being world destinations worth visiting. I updated it to instead, feature 10 cities/prefectures in Japan most worth visiting, each with its own picture and description.
2. Simplified Data- I moved everything to arrays, like the images, descriptions, and background colors, instead of hardcoding them with if/else statements. It makes the code much easier to navigate and change in the future.
3. Improved/Changed Navigation Logic- The old version tracked slides starting at index 1 and handled wrap-around manually. The new version starts from index 0, since I made the switch to arrays.
4. Refactored Initialization- The old version reused the same label variables inside the loop, so I created new label instances for each slide.
5. Better Organization and Documentation- I added clearer comments, renamed variables where needed, and included a serialVersionUID (mostly due to a warning) for the JFrame class.
6. UI Tweaks- Updated the window title, and gave each slide a unique background color using a simple array, instead of using a switch statement.
7. Testing- I added a getter for the current slide index and then created the JUnit tests to check initial state, next/previous navigation, and wrap-around behavior. All tests were successful, and function as they should.