

4.10 Labeling Audit File

Name:	Labeling Audit File
ID	UC_010
Description	Label a processed audit file by the type of voting election that had occurred and the date it was conducted. The audit file will then be output into the same directory as the csv file in readable permissions.
Actors	Election officials, programmers, testers
Organizational Benefits	Output a readable only file that holds the detailed documentation of what an audit file had procure. It will help organize results of the election and record-keeping for legitimacy reasons.
Frequency of Use	It will run as often as each time an election result has occurred, and the production of an audit file through normal means or through the command write_election
Triggers	An audit file has been produced and recorded the detailed steps for an election.
Preconditions	The audit file is processed/produced.
Postconditions	The audit file is correctly labeled in the same directory as the .csv file.
Main Course	<ol style="list-style-type: none">1. In the case that the audit file produced was for instant runoff, start the label with “IR”.2. Get the meta data of the .csv file that was inputted and obtain the date (See EX1).3. Append the date to the label of the audit file.4. Output the audit file with its label, i.e., “IR02032023” in the same directory as the .csv file with permission readable only.

Alternate Course	<ol style="list-style-type: none"> 1. In the case that the audit file produced was for closed party listing, start the label with “CPL”. 2. Get the meta data of the .csv file that was inputted and obtain the date. 3. Append the date to the label of the audit file. 4. Output the audit file with its label, i.e., “CPL02032023” in the same directory as the .csv file with permission readable only.
Exceptions	<p>EX1 CSV meta data unable to be accessed</p> <ol style="list-style-type: none"> 1. Inform the user that the csv file date was unable to be accessed. Give the date of today for the audit file (See EX1).