4.1 Bringing File Into System

Name:	Bring file into system
ID	UC_001
Description	The system will receive a file from an external source. This file will be entered through a prompt or through the command line. Afterward, the software will determine if the file is valid, A valid file is a CSV file.
Actors	Election officials, programmers, testers
Organizational Benefits	Ability to open a ballot file in order to process and conduct the election in an accurate and efficient manner.
Frequency of Use	Run multiple times during the year at normal election times and special elections. Programmers and testers will use it more often during developmental phases or testing phases. In the case of errors, this use case will be used more than once during a session.
Triggers	1. The command read_file <filename> has been inputted through prompting of file. 2. An input file has been provided as an input to launching software on the terminal.
Preconditions	The ballot file exists in the same directory as the software.
Postconditions	The file is ready to be processed

Main Course	1. The system determines if the input file coming in exist (see EX1). 2. The system determines if the input file string coming in has a .csv file extension. If not, append the .csv to the string (see EX2). 3. System provides feedback to the terminal user that their file has been provided. 4. System has successfully opened the file if no errors has occurred. 5. The system will start to process the ballot file. See use case Processing Ballot.
Alternate Course	AC1: Input file provided as part of launching the software. 1. The system determines if the input file coming in exist (see EX1). 2. The system determines if the input file string coming in has a .csv file. If not, append the .csv to the string (see EX2). 3. Terminal provides feedback of what file name was entered. 4. System successfully opened the file. 5. System will start to process the ballot file. See use case Processing Ballot.
Exceptions	EX1: File not found 1. The system tells the user that the input file name cannot be found. EX2: File is not a .csv 1. If the file coming in has an extension and is not a .csv file, inform the user that the file is invalid.