

4.4 Popularity Case for IR

Name:	Popularity case for IR
ID	UC_004
Description	If there is not clear majority in IR between only two candidates, then popularity will win between the two.
Actors	Election officials, programmers, testers
Organizational Benefits	Resolves the no majority case in the Instant Runoff Voting method.
Frequency of Use	As frequent as the case when there is not a majority in instant run off. This case rarely happens.
Triggers	No majority win between two candidates in instant runoff.
Preconditions	Two candidates that does not have a majority.
Postconditions	The winner is given by popularity.
Main Course	<ol style="list-style-type: none">1. There's not a clear majority in the IR to determine the winner of the election2. System decides about the winner based of the popularity percentage (EX1).3. In the case there's a tie between popularity, tiebreaker. The winner will win the election. (see determine the tie use case).4. Resolve the instant runoff election and indicate who was the winner along with their voting percentages.5. Show the winner in the audit file.
Alternate Course	There is no alternate course.
Exceptions	<p>EX1 System gets a percentage out of range (0,100%)</p> <ol style="list-style-type: none">1. System notified user that an error has occurred