## Extended Admin Client

The extended functionality is specified in the bottom four use cases of the InitializePoll requirement elicitation; this in correlation with the provided use case diagram.

## Function Requirements

The system must have a server capable of managing multiple polls which can be anonymous or identified.

Multiple overlapping groups of student clients should be able to access the poll.

A teaching client must be able to run, review, and save a poll. The poll will be implemented in the form of multiple choice questions. The poll must have a student client which can vote on the questions.

## Non-Functional Requirements

* The system should support multiple simultaneous student clients
* The system must be able to support a client from one or more communication services, including but not limited to a web URL, Twitter, SMS texting.

## Use Case Description

### Vote

|  |  |
| --- | --- |
| Use case name | Vote |
| Participating actors | Voter |
| Flow of Events | Vote activates selects an answer to the multiple choice question and activates “Vote”. |
| Entry Condition | The polling system is waiting for votes and votes |
| Exit Conditions | The polling system has registered a vote |

### InitializePoll

|  |  |
| --- | --- |
| Use case name | ConductPoll |
| Participating actors | Admin |
| Entry Condition | The ADMIN is running his/her client which is waiting for them to select the next step. |
| Flow of Events | 1. Admin activated InitializePoll on the client |
|  | 1. InitializePoll will instantiate the poll object. |
|  |  |
| Global alternative flow | 1. IF the admin activates Save THEN then polling systems saves the current state of the server and send it to the polling system server. |
| Exit Condition | The state of the system is saved and stored on the server. |
|  | 3. IF the admin activates View then the client will get the information from the server and display it as the client running would display the poll. |
| Exit Condition | The admin has a view of the current poll but it is not saved |
|  | 3. IF the admin activates SetQuestions THEN the client will provide an interface to input questions and it will save them current in the system’s state. |
| Exit Condition | The admin has set question(s ) to answered on the poll when it is saved an ran. It is not saved. |
|  | 3. IF the admin activates Run then the server will make the system visible and available for student clients to select questions. |
| Exit Condition | The polling system has registered a vote |
|  |  |
|  | 3. IF the admin activates RemoveQuestion THEN one of the questions on the poll will be removed so that the users will have to vote on choices after perhaps a less popular one has been eliminated. |
| Exit Condition | The poll now has one less option to vote on. |
|  | 3. IF the admin activates OpenPollFromFile THEN the a poll saved on the hard disk will be opened and added to the list of polls on the server |
| Exit Condition | The polling system contains one more poll |
|  | 3. IF the admin activates SavePollToFile THEN then a poll saved as an instance of Poll in Server will be saved onto the hard disk. |
| BFS | 4. If the admin activates AnalyzeResults then user specified calculations will be performed and displayed based on the number and time of votes in the poll server. |