**Use Case – Create New Survey**

**Level**: Professor/Admin goal

**Primary Actor**: Professor/Admin

**Stakeholder and interests**: The professor has the main interest in this use case. The professor wants to form an appropriate list of questions for their potential students to answer based on a likert scale. The professor also shares their ideal answer for each question; these ideal answers will be used to rank and match the answers given by anyone who answers the survey.

**Preconditions**: The professor must be successfully logged in and has chosen to create a new survey.

**Success Guarantee**:  On the successful completion of this use case the system should store an equal number of question-answer pairs as specified by the professor. A pyramid reflecting the professor’s question-ans pairs should be created and presented. The survey data is submitted to the server

**Main success scenario**:

1. The system prompts the prof. for a title to the survey.
2. Professor enters a title for the survey.
3. The system prompts the user to enter a message that will be displayed to describe their survey.
4. Professor enters a message.(may be left blank).
5. The system displays the options to preview, save, load premade survey or publish the survey. [Alt Flow 3: Save] [Alt Flow 4: Preview]
6. The system provides the user with the option to create question-ans pairs and the option to save their progress thus far.
7. The professor inputs a question-ans pair. [Alt Flow 1: number is too large][Alt Flow 2: not a number]
8. Steps 5-7 will be repeated as long as the professor wishes to add more questions to the survey.
9. The professor decides to publish the survey.

**Alt Flow 1: number is too large**

1. The system informs the professor that the Likert Scale they provided is too large
2. Resume flow at step 1 of main success scenario

**Alt Flow 2: not a number**

1. The system informs the professor that the input they provided is not a number
2. Flow resumes at the step where the user is asked to input a number

**Alt Flow 3: saving**

1. The system submits the partially completed survey to the server
2. The server stores the survey data in the database
3. Flow resumes at step 5 of the main success scenario

**Alt Flow 4: Preview**

1. The system displays a preview of how the survey will appear to a user.
2. Professor closes preview window.
3. Flow Resumes at step 5.

**Special requirements**: Javascript supported browsers. The client have a clear idea of exactly what they are looking for, ie how many questions they will ask and the answers they desire.

**Miscellaneous**:

1. The length of questions will need to have some fixed range, single questions shouldn’t go over this range. We will have to come up with an appropriate range for questions given our layout.