

Let's have a party

A group of students want to set up a company that organizes parties. The client has to state the amount of money he wants to spend, the number of people who will be attending and the suburb where the party should take place. With this information, the agency looks for suitable venues and takes care of the rest.

The party can be indoor or outdoor. If indoor, a hall has to be rented; otherwise, an outside location, a marquee and council authorization to allow music is needed.

There are two options in the choice of music: live music or pre-recorded. The agency itself, and not the client, select the best option. Live music is preferable, but expensive; consequently most parties make use of pre-recorded music. The latter option is also selected when there is no time to source a live band. If pre-recorded music is chosen, the sound system has to be installed and tested. Preparations for a live performance are more complex. First, a band is sourced. Then an invitation is sent to the band inviting them to play at the party. If the band does not reply within a week, a new band is chosen and the process is repeated. If the second band replies, there are two possibilities: either they will accept the invitation or not. If they decline, a new band is sourced and the process is repeated. If they accept, the band is not hired right away. First, the agency needs to watch and evaluate a sample performance to ensure they are suitable. If the party planner is not able to find a live band in time, then the pre-recorded music option is taken.

Obviously, bands that have been hired in the past do not need to be evaluated again. They are hired without delay. Once the venue and music have been arranged, the food and beverages are organized. For a live band performance, additional food and beverages for the musicians are ordered. To ensure all runs smoothly; the organizers briefly attend the party once it has started. Afterward verifying all is in order, they send the bill to the client.

Design the process diagram using BPMN standard.