**#22040** - <https://redmine.vnc.biz/issues/22040>

1. **Description**:

About check subject field

- the OLD work flow is :

1) remove all the invalid special character follow the pattern `.~@!#$%\^&\*+=\[\]\\';,/{}|\\":<>\?()

2) trim and replace space " " to "\_"

- Now, we change to NEW workflow:

* when user fill out any the special character, we will show the pop up "Chat room can not be created using invalid characters! Valid characters are 'a-z' 'A-Z' '0-9' '\_' '-' "
* Example: when user fill out "roomchat!%^", we will show pop up. Chat room can not be created using invalid characters! Valid characters are 'a-z' 'A-Z' '0-9' '\_' '-' . Not remove and create room "roomchat".

1. **Analytic**
   1. **Root cause**:
   2. **Solutions**:

Change the workflow checkValidSubject:

1) If empty => generate random subject

2) Trim subject

3) Check if it has any special charater follow: (/[`.~@!#$%\^&\*+=\[\]\\';,/{}|\\":<>\?()]/) show pop up and not create room.

Chat room can not be created using invalid characters! Valid characters are 'a-z' 'A-Z' '0-9' '\_' '-'

4) Replace space " " character to "\_".

Apply checkValidSubject function on

* Tooltips Subject
* Add people Subject
* Create Room Subject
* Join Room Subject
* Input Subject when create video conference 1-1.

1. **Implementation**
   1. **Code:**