**Smell Disorder Survey Requirements Document**

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**Overview**

The smell disorder survey is an online questionnaire for patients. It is used to store information about smell disorders. A web application available from laptops and mobile devices will be created for this purpose.

**Requirements**

*Questionnaire*

R1. The user will be able to enter responses to the online questionnaire and submit the form.

R2. The questionnaire will be available in different languages.

R3. The questionnaire will have different versions. If individual question(s) change within the questionnaire, then it would be considered a different version of the questionnaire.

R4. The questionnaire will be available in different languages like Taiwanese and Arabic, in addition to English.

R5. Questions will be related to ontology. Different versions of the questions could be having the same ontology. This way, reports generated on the responses can be analyzed based on the semantic content of the data. That is, responses to questions that have different wording, but having the same ontology will be analyzed together.

R6. The application will provide an interface will allow a batch upload of the questionnaire in a CSV file format.

R7. The application will provide an interface through which exiting questionnaires can be modified by adding / editing / deleting existing questions.

*Administration*

R8. The application will allow a user having the correct permissions to administer the questionnaire to patient(s).

R9. The responses will be recorded for future analysis. The entire questionnaire need not be filled out at one shot. It can be restarted from an intermediate state.

R10. It will be possible to directly import existing databases of patient responses from different health centers.

*Reports*

R11. It would be possible to run reports on the responses entered by patients. The results will be presented in both graphical and tabular formats, and will be available for download in either format. Only suitably authorized users will be able to run the report.

*Authorization*

R12. Users with different levels of authorization will be set up in the system. Some users will be able to only run reports, while others would be able to only administer the questionnaire. Superusers will be able to execute both these features and also create new users / assign roles. Only logged in users will be able to access and use the system.

*Devices*

R13. The questionnaire will be available on laptops and on different mobile devices.

Use case for survey:

In this version, the questionnaire is loaded and you can submit responses and review the results of what was answered. I needed to make some more changes to the questionnaire, please use this version for any changes going forward.

 Also, if there are dependent questions, they need to follow the parent question directly for the app to work correctly. This is true for most questions, but not for the hispanics question in the demographics section. Please make a note of this for any future changes.

Link is

<http://54.173.213.213/?userName=patient1>

login

for patient

super is

hospitalbio

smellSurvey

admin in

admin1

smellSurveyAdmin

For this build, you can come to the app using the link above, then proceed to take the survey.

The responses can be reviewed by clicking on the Review button on left panel, which also has link to sections.

You can return to questionnaire by clicking on the back to questionnaire link in the Review screen. Incomplete sections are marked in red.

You can reload existing UPIN by loading it into the text box. In the main screen. Next week I will add a feature where you would need to upload a file that has both the upin id and session id, and this file can be downloaded during the survey.