## Appendix A: Extracted Features from Apps

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| **Characteristics** | **Features** |
| **General** | |  | | --- | | - *Name* : Name given by developers to the app itself | | - *Category: How the app stores classify each app (health, fitness, medical etc)* | | - *Date of latest Updates*: When was the app last known update as this will help to identify if the app adaptive to users’ current need requirements. | | - *Cost*: To Identify number of apps that are free or partially free with in-app purchases for certain features. | | - *Ratings* (scored out of 5): To report users’ adaption and satisfaction level relative to the app | | - *Number of Raters:* To report number of raters contented with app | | - *Number of Installations*: To report number of popularity of app. | | -*Language*: To report the degree of internationalization of the app we report the languages the app is available in  - *System Version*: To report the version of android or ios required in order for the chatbots to function  - *Age Ratings:* to report the target age of the apps  - *Size:* To report the space being occupied by each app, ie storage amount needed on individual devices | |
| **Information Technology** | - *Chatbot*: To report if there is intelligence in the app usage process, and level of user assistant provided. |
| **Disease related features** | |  | | --- | | - *Management Method*: To report the treatment and management techniques for anxiety and depression problems | | -*Intervention*: To report the treatment approaches that are being used through app | | - *Targeted Mental condition:* To report other disorders not related to anxiety and depression that can be managed and treated by these apps | | - *Involvement of some health professional*: This information was extracted from apps description in respective stores. To report if the app promotes help from any mental health professional e.g. psychiatrists, therapists, counselors, and experts in psychological issues etc. | | - *Health Information*: To show if the app is gathering some sort of health information i.e. Heart rate or blood pressure for the purpose of management and treatment | | - *Involvement Feature:* To report the possible activities that the app uses to keep the users engaged such as games, quizzes, coloring | | - *Help For*: This was extracted from the description from each repository to show developer’s intended audience for the app and whom it can be helpful for. | | - *Approach in development:* To show the technical approach opted in the development of app | |
| **Usability:** | |  | | --- | | - *Purpose*: This was extracted after running the app in order to establish the purpose of the app | | -*Input*: To report what input modality the app is expecting from users during communication | | - *Output:* To report the output modality (written or spoken) of response from the app to the user. | | - *Embodiment*: To show if there is some sort of embodiment of the bot that is chatting with the users such as avatar | | - *Usability experience*: Two reviewers penned their experience on the usability of the app. | |