

Applications in Healthcare WS17: Review of Apps

Due 23:59 12 Nov 2017. Contribution to overall grade: 30%

NOTE: you will only receive your full individual mark if you also participate in the presentations/discussions in class on Mon 13 Nov 2017

Task: Individual report: 15 to 20-page report (depending on number of images, excluding references – should be ~10 pages of actual text) - a **critical review of mental health applications in a particular domain**.

Important Dates:

12 Nov 2017 23:59 – Submit final document as PDF <Surname_AppsReview.pdf> to Toni Michel: toni.michel@tuwien.ac.at

13 Nov 2017 – Participate in presentations/discussions in class (no additional prep required – work will be done in class)

1. Overview – Review of Applications

The focus of this assignment is a critical review of mental health applications.

Each person in a group choose a different domain from:

- Stress management: dealing with tough times (e.g. anxiety, depression, panic attacks)
- Suicide prevention
- Sense of mastery: being independent (e.g. self-esteem and confidence)
- Emotional Reactivity: thoughts and emotions
- Sense of relatedness: relationships and helping others (if a group has more than 4 members)

Select 5 applications – provide the rationale for why you selected these 5.

Provide a description/overview of each application e.g.,

- Source/URL
- Costs
- Audience
- Functionality / screenshots (annotated where useful for explanation)
- Architecture, interaction, (... data sharing, data security)
- Clinical basis/evidence, motivation strategies, feedback modalities/mechanisms etc.
- Thematic analysis of the comments made by users about the app (e.g. what they say is good and what is bad)
- Any other criteria that you think are relevant

Conduct a critical comparative analysis of all the apps

- What do they have in common
- How do they differ
- What are the strengths/weaknesses (with support for these assessments)
- Any other criteria that you think are relevant

The comparative analysis can be presented in summary form in a table and then discussed in more detail in the text.

2. Submission Requirements, Marking Criteria

Format:

- Reports can be in any layout format (at least 11pt font please)
- Language English or German.
- On the **front title page** include:
 - Title
 - Name
 - Student Number (Matrikelnummer)
 - Word count

Structure: [15-20 pages]

- Front page (as above)
- Introduction (including intro to why this domain, and the rationale for why these five apps were chosen) [~1 page]
- Review of each of the five apps [~2 pages/app]
- Critical comparative analysis and discussion [~3-4 pages]
- Conclusion [~1 page]

Marking:

Content:

- Evidence of thoughtful, detailed and considered analysis

Presentation:

- Well written text (though you won't be penalised for English grammar) – clear and concise
- Well-structured layout with logical flow of arguments, appropriate use of sections / section headings etc.; clear introduction, body, conclusion; right level of detail and supporting material

Marking:

- 10: review of the 5 apps
- 8: critical comparative analysis
- 2: overall quality/presentation etc.

To achieve marks at the top of the range:

(1/sehr gut): Criteria are included beyond what is provided here or in class and showing deep critical thinking about these types of apps and what is important; a high-quality application of the review and analysis of the apps, synthesized into clearly structured arguments. Overall report is very well written and shows strong coherence and deep engagement with the topic.

3. Examples of possible sources for choosing apps:

- <https://www.apple.com/lae/ios/app-store/>
- <https://play.google.com>
- <https://au.reachout.com/tools-and-apps>
- <http://www.psychiatryadvisor.com/top-10-mental-health-apps/slideshow/2608/>
- <https://www.wsj.com/articles/to-treat-depression-try-a-digital-therapist-1498227092>
- <https://www.mindcharity.co.uk/advice-information/how-to-look-after-your-mental-health/apps-for-wellbeing-and-mental-health/>
- <https://adaa.org/finding-help/mobile-apps>