Summary requirements dietetics and requirements engineering

We classified all your comments according to the topic. During our meetings in STP we agreed that we have two MOOCS:

Be careful in the requirements because we will have two MOOCs:

- One during the project time – a more or less closed version during the development phase
- One after the project time – a final and open version

Please find after your comment the answer of the technicians or our opinion, respectively (cursive and bold). Feel free to comment!

General Questions

1) Can each UAS work in the MOOC / with the MOOC at different times? E.g. is it necessary for the MOOC technical solution that all UAS Partners start at the same time and finish at the same time? Could be a challenge - and a risk - can we ensure that all partners can schedule an e.g. 6 weeks long MOOC at the same time?
   Be careful because of '2 MOOCs'! Need to be discussed.
2) Or do we need a more flexible solution, even if this would mean that the title "MOOC" is not really correct?
3) How can we ensure that the MOOC can be used as life-long-learning tool for dietitians? How can we handle students and colleagues participating in the MOOC? Technically challenging or not?
   moodle
4) How are the results of the MOOC visible to students? Do they get the finished Case study to save somewhere? Or do we want to use e-portfolios like Mahara for that? How can we ensure, that the course results are available for students at least three years long? If I think about increasing complexity in clinical cases, and a MOOC is mostly 6 weeks long - this would mean that the student will work out the easy clinical case in year 1. Is it possible, that this student can see the results from year 1 in year 2, when the same patient is now having a more complex and probably more serious condition? Or is this technically not possible? Is this something, we want to have from a didactic perspective?
   Be careful because of '2 MOOCs'! Who will prepare new clinical cases/host the MOOC after the project will be ended? Need to be discussed.
5) How can we ensure, that adding new cases after 3 years (project end) is still possible without necessarily needing a technician? Administration of the MOOC should be as easy as possible!

What will the MOOC be after three years? Cooperation with a platform? Need to be discussed.

6) Decision tree based progress in the cases?
   possible with moodle
7) copyrights / author rights: what kind of license will we use? Creative Commons license? We also have to take care to use permitted material without copyrights
   We can only use Creative Commons or materials of which we have the permission to use. This is also true for the cases and all materials produced by students.
8) Modern users like to have mobile access too. Important to think about, especially for video material - Platform availability for different usages via for example: IPED; handy/cell; MAC…..
   Possible with moodle. Responsive skin is possible with moodle.
9) No limitations of users
   Be careful because of '2 MOOCs'! During our project we will have a limitation - our students.
10) Since our budget has been quite reduced, there still might be interest for a collaboration with iMOOX, iversity etc - they would provide the platform for the MOOC and support in recording professional videos etc…. we should carefully consider this option for cooperation, before we start programming something!

moodle

1) open source solution for the platform (e.g. Moodle) so existing material can be easily exchanged
2) Can a MOODLE platform be used at the phase for concepting the MOOC? Is this necessary and useful?
3) it might be important to have the MOOC compatible with existing platforms at universities (Blackboard, Moodle, Citrix,...). For instance, if (parts of) the MOOC would be taken up in the curriculum (as supporting tool or even for a certain amount of ECTS credits), it might be needed to link/follow-up/implement in the university platform instead of directing to the platform-website.
   We will develop the MOOC via moodle. It is free, a lot of UAS use moodle and almost everything of the mentioned requirements is possible with moodle.

General Options

1) attractive lay-out and easy-to-navigate (horizontally and vertically): "User fiendly" is the most important factor for users
   Different layouts are possible. Some of them are with costs! We will use a cost-free layout.

2) Central registration (login) for users so all data will be saved in the platform and progress within the MOOC can be monitored (e.g. all items performed, but also all reflection templates completed) - Activity Log option for each student: this is important also for research purpose as the availability to follow duration of use (for each single "lesson" / for the entire program…)
Possible with moodle.
3) Flexibility for us to upload/add content (so different roles in the community, different rights to upload, to read, to comment, to …)
    a. Learning material: upload Scorm files (e.g. as made in Xerte)
    Scorm files are offered by several providers. moodle has a plug-in for Xerte.
    b. Library area: enough space is required and also for big files as even a use of short related films
    c. Big files loading availability to include movies / Audio / Pictures….
    100 MB are no problem with moodle.
    d. Upload files with different extensions
    e. PowerPoint Presentations availability: large files upload availability (with recordings / pictures / movies….)
        i. Recording availability: Audio availability for ppt
        Not possible with moodle. We can use a freeware tool / provide it external.
        ii. camera recording availability: for ppt
        Not possible with moodle. We can use a freeware tool / provide it external.
    f. Movies availability (downloading and presenting…): this availability should be inside the course itself, not as a link to U-TUBE to avoid dependency on internet availability
    Not possible – too expensive. We should use existing and free tools to reduce costs. Adjustments of privacy would be possible (even with youtube). Furthermore, we and all users need the internet for the MOOC. An internet dependency is given.
    g. Video: mp4, avi, etc. (so no need to convert): - Possibility to add/switch on subtitles to videos (overcome language problems and those with hearing problems). Better no hard-burned subtitles so the used can choose to show subtitles or not.
    Possible with youtube, vimeo … (e.g. upload).
4) Users to be able to upload material too (e.g. in an area "for revision")
Possible with moodle.
5) Calendar – with pop-up option for up-coming events: beginning of the course / evaluation time….
    a. personal goal setting (e.g. the users be able to set deadlines) e.g. a calender planner/scheduler for instance, to follow-up yourself)

Possible with moodle.

6) Information and support
    a. Information Board for announcements
    b. Q & A area: Open to all + an additional availability for personal contact between teachers to students+ an additional option for groups talk: to allow groups of students to work on an assignment not only “on spot” but from other places as well.
    c. Help button for users (connected to the central administrator) FAQ’s

    Possible with moodle.
7) Dictionary: Professional; connection to open professional dictionary (for example: MERK…); language dictionary as well

    Too expensive. How many languages? A glossar in English might be better. We could also use free online dictionaries – implement links on the MOOC.
8) Discussion options
    a. General discussion forum
    b. Discussion for each case (possibility to add discussions to different documents or folders)

    All possible with moodle. We should add a tool where students can introduce themselves to others. This is also possible with moodle (profile). Blogging is also possible with moodle.
9) Live class/webinars
    a. Open / live class availability: with BlackBoard Sharing / Fuze…. Etc: this is an important tool to allow also communication b/t the IMPECD group; this will allow follow-up options with first group of students/practitioners
    b. Webinars internal in the platform (even if connected to another software, it is useful that participants to a webinar don’t need to register separately, or go to another software to follow the webinar)

    We need Adobe Connect for this.
10) Is it possible to add food/nutrition tables/databases to the platform? (if so, then we should look if there is a budget for this)

    This will be too expensive.

Including testing tools in the model

1) Questions:
    a. Multiple choice
    b. Open ended questions + availability for free writing answers
    c. Demographic questioner availability
    d. Likert scale questioners
    e. Questions during videos.
2) Testing for groups

3) Providing “all class all grades” board availability
Possible with moodle. Testing tools will be different during and after the project.

Feedback options

1) Foresee good feedback options. In digital learning environments this enhances the learning effect and prevents dropout
2) immediate feedback
    a. Create quizzes

Possible with moodle: plug in.

3) Surveys through the platform? Or otherwise create e.g. a Limesurvey account connected to the platform (this is how EFAD does it – the administrator connects through the platform)

Basic possible with moodle: plug in.

4) Reflection templates: we will create them in Word, but can they be “built in”, e.g. when having completed ascertain item e.g. a whole case, a quiz, having watched or participated to something etc. …. The participant can further click to the reflection item (and store/save that internally)

Possible with moodle: upload files.

Statistical options

1) Collecting user statistics (general users, but also specific for certain areas e.g. to see what are the most used items). à excel report
    a. Total of Participants
    b. Mean; available sum; range; duration of time; Percent of right/wrong answers per each question
    c. Present grades outcomes by questions (to include a grade as mean for each question)
    d. Graph presentation of outcomes availability

Possible with moodle

Evaluation tools

1. user satisfaction button for our quality monitoring

Community building

We have to think about it e.g. should we use facebook? Where are the participants? Who are the participants?

Time issues

1) Time limitations on tests & quizzes
2) Time limitations on lessons
3) Time limitations on the entire educational content
4) Time-Log Option
   Possible with moodle

Languages availability

Assisting platform (which would be additional to the general IMPECD-platform) in several languages to include: German, Dutch, Flemish, and French

The project language is English. It would be too expensive if we run several supporting platforms in different languages.

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