faboodle technology framework for accessing Moodle through Facebook URL

http://weko.wou.edu.my/?action=repository_uri&item_id=423

Creative Commons:

http://creativecommons.org/licenses/by-nc-sa/3.0/deed.ja
faboodle Technology Framework for Accessing Moodle through Facebook

Guest Lecture
24th and 27th June 2013
Sukhothai Thammathirat Open University, Thailand

Ishan Abeywardena
MSc, MSc (Brunel), BSc (Bangalore), MIEE, MBCS, MIET, MTA
Senior Lecturer, School of Science and Technology
Wawasan Open University
Penang, Malaysia
I express my gratitude to:

– Assoc. Prof Dr. Chainerd Pichitpornchhai for extending me this kind invitation;

– Ms. Rattip Phukkeson and all other colleagues at STOU for having me here.

Available at: https://www.researchgate.net/publication/236170465_Development_of_faboodle_to_Interact_on_moodle_through_facebook?ev=prf_pub
Talking Points

- Student interaction on LMS
- Why Facebook?
- *faboodle* Technology and Architecture and Interface
- Key features
- Advantages
- Limitations
- Implementation
Delivery of ODL at Wawasan Open University (WOU)

- Self-directed Course Material
- Face-to-face Tutorials
- LMS: moodle v1.8 *(WawasanLearn)*
Student interaction on the LMS

- Student interaction on the **moodle V1.8 based LMS** (*WawasanLearn*) in both the undergraduate and postgraduate levels is low and further reduces as the semester progresses.

- The lack of participation and interaction in online LMS is not a problem faced only by WOU.

- A study was conducted to find out if Facebook improves the interaction on the LMS (*Abeywardena & Tham, 2012*).
Is the LMS enough?

• A survey was conducted online as well as offline in all the WOU regional offices*.

• **542 responses** were collected from undergraduate students from various disciplines distributed across Malaysia in WOU regional learning centers.

* WOU Regional Offices: Penang, Kuala Lumpur, Ipoh, Johor Bharu
83% of the adult ODL students who participated in the survey subscribe to Facebook

**Why Facebook?**

![Pie chart showing frequency of logins onto Facebook](chart1.png)

- More than 3 days a week: 49%
- 1 day a week: 20%
- 2 days a week: 10%
- More than 3 days a week: 21%

![Pie chart showing frequency of logins onto the LMS by Facebook subscribers](chart2.png)

- More than 3 days a week: 51%
- 1 day a week: 25%
- 2 days a week: 23%
- Never: 1%
Key attractions of Facebook

- User friendly/easy to navigate interface
- Ability to view the profiles of friends and colleagues
- Ability to follow the research progress of friends/colleagues

Desired features on the LMS

- Ability to share resources easily and receive feedback on them
- Ability to interact in a virtual space
- The ease of organizing events

A better user interface

More, quality discussions
LMS Vs. Facebook

Key attractions of Facebook

- Instant updates via e-mails and SMS with respect to related activities

Desired features on the LMS

- Faster response time
- A proactive approach to discussions

- The ability to send out messages to an individual or a group from within Facebook
- The ability to see who is online and instantly chat with them
Setup of Facebook study groups: The Pilot Project

facebook (www.facebook.com)

- 114 students
- 7 IT related courses
- 2 semesters

Personal facebook Profile Pages

Course Coordinators

Students

Tutors

Facebook Groups

Course Study Groups

Direct Students

WwasanLearn (LMS)
A follow-up survey was conducted among the pilot project participants to gather their feedback.

- Majority indicated that they would want to join facebook study groups in the future.
- They found it inefficient to switch between the two systems, namely the LMS and Facebook, to keep up-to-date on the latest information regarding their course modules.
- They further indicated that they preferred to use only facebook to extract information directly available on the LMS.
**faboodle Technology and Architecture**

- No backend integration with moodle
- Can be used for any moodle based LMS
Key features of *faboodle*

- **Course list**: Provides a dynamic and easily navigable list of course modules the user is enrolled in.

- **Forum list**: Dynamically generates a list of the forums available to a user under a given course.

- **Discussion threads**: A real-time breakdown of the discussions taking place in a particular forum. It also indicates the number of “unread” threads. The user has the ability to view the complete discussion under each discussion thread.

- **Mark read**: The user is able to mark individual threads as “read”.

---

- **Mark read**

---
Key features of *faboodle*

- **Secure access**
  Provides secure access to moodle based LMS via *facebook*.

- **moodle authentication**
  Uses the same authentication process of the moodle based LMS.

- **moodle session and user privilege management**
  Harnesses the moodle session management mechanism to protect the integrity of the information.

- **Information on demand**
  The user is in charge of what information needs to be requested from the LMS. This reduces the bandwidth required to retrieve the information.
Hi all,

May I know what file need to submit to OAS?

Only the vb file or whole project?

Regards,

ST WONG

Re: What vb file need to submit?
by CHAN KAM CHUEN - Friday, 23 September 2011, 11:31 PM

Hi Wong,

You need to submit the whole project. Zip all the TMA folders as one zip file before submit it to OAS.

Hope it help.

Regards,

Chan.
The *faboodle* Advantage

- Easy access to the LMS from within the Facebook profile;
- The ability to engage in related academic discussions more often;
- The ability to continue discussions which were initiated on the LMS inside the Facebook study groups;
- The flexibility of checking updates on the LMS on the go using mobile devices;
- The convenience of using a single platform for all teaching and learning needs with respect to support.
Limitations

• *faboodle* version 1.1 hasn’t progressed beyond the prototype stage.

• It has only been tested on moodle 1.8.

• The current version is its inability to provide users with access to files such as images, documents as presentations which are uploaded onto the moodle forums as part of a discussion.

• The users are forced to login to the LMS directly to view the attachments. Alternatively, the attachments need to be placed inside the facebook group pages which lead to duplication.
Implementation

- Hasn’t progressed beyond the prototype stage.
- Students and academics will be introduced to the use of faboodle through the facebook study groups.
- The key stakeholders will also be briefed on the limitations of using the facebook app and will be trained on how to facilitate discussions on the LMS which are faboodle friendly.
Conclusion

• Easy access to the LMS facebook profile;
• Academic discussions more often;
• Continue discussions inside the facebook;
• Check updates on the LMS on the go;
• A single platform for all teaching and learning needs with respect to support;
Questions
Ishan Abeywardena

Senior Lecturer, School of Science and Technology, Wawasan Open University, Penang, Malaysia

- **MSc in Wireless Enterprise Business Systems**, Brunel University, UK.
- **MSc in Engineering Management**, Brunel University, UK.
- **BSc in Computer Science**, Bangalore University, India.
- **PhD Candidate in Computer Science, University Malaya, Malaysia. Areas of specialisation: text mining, metadata, faceted search**

Professional Member of
- Institute of Electrical and Electronic Engineers (**MIEEE**)
- British Computer Society (**MBCS**)
- Institution of Engineering and Technology (**MIET**)
- Microsoft Technology Associate (**MTA**)

Professional Profile: [http://www.linkedin.com/in/ishansa](http://www.linkedin.com/in/ishansa)
Research Profile: [http://www.researchgate.net/profile/Ishan_Abe](http://www.researchgate.net/profile/Ishan_Abe)
E-mail: ishansa@wou.edu.my