

Development of a Moodle UI Using LINE Chat for Casual Learning as a Part of a Learner Assistive LMS

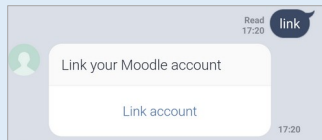
Toshihiro Kita, Chikako Nagaoka, Naoshi Hiraoka (Kumamoto University), Tamás Molnár (University of Debrecen)

What is LINE? An SNS smartphone app widely used in Japan and other countries. With the LINE bot we have developed, **LINE Chat can be an interface with Moodle** to obtain various assistive information for learning. The bot uses the **account link** between LINE service and a Moodle site. You can readily add more features to the bot using Moodle Web services API.

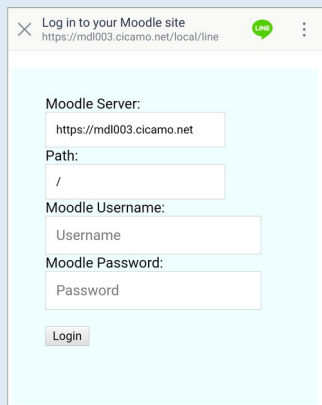
Possible Use Cases

- Show various information related to users' learning on the **Moodle courses the users are enrolled in** such as:
 - How many unread Forum posts a user has (using a Moodle web services API function called "mod_forum_get_forums_by_courses")
 - Due dates of assignment submission, etc.
- Send (pushed) messages **from the LMS side to the user** to stimulate learning motivation:
 - Sending messages including randomly selected quiz questions to learners
 - Sending occasional encouraging messages or tips at an appropriate frequency
 - Notify learners who have not logged in to the LMS for a long time to resume learning

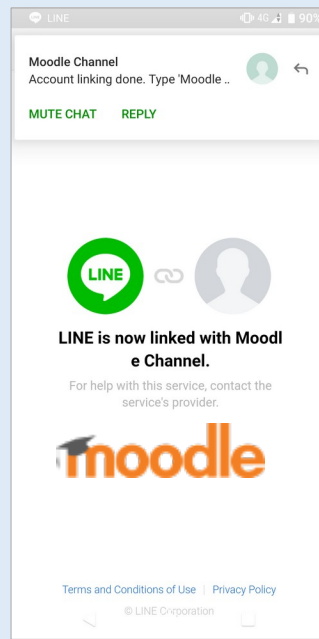
LINE-Moodle Account link



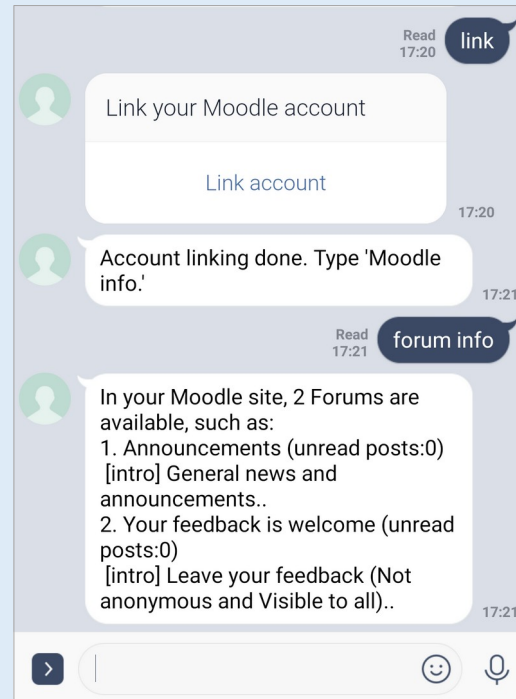
Click "Link account" button



Log in to a Moodle site



Account linking was successful



Example of commands enabled after the account linking



Visit
<https://kmkst.cica.jp>
to find 'TALE2020 demo'