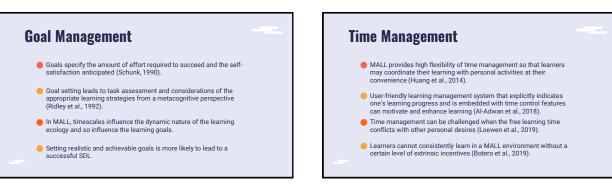


 Garrison's (1997) Framework of SDL
 • Self-management is the task control ability that is associated with external activities, such as time, resources, and goal management.
 • C (f

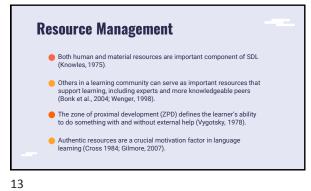
 • Self-monitoring is the cognitive and metacognitive process of establishing learning strategies and learning paces.
 • Motivation can initiate and sustain learning efforts towards cognitive goals (Garrison, 1997).
 • The second strategies and learning efforts towards and second strategies and learning acces.

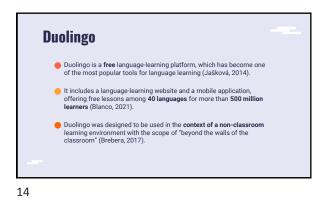
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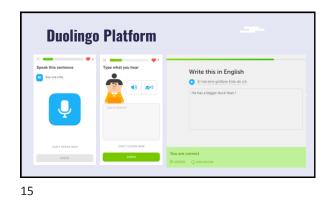
SDL, CALL, and MALL Computer-assisted language learning (CALL) (Beatty, 2013; Levy, 1997) Mobile-assisted language learning (MALL) (Kukulska-Hulme & Shield, 2008; Miangah & Nezarat, 2012) Though research has been conducted on CALL, MALL, and self-directed language learning (SDLL) separately, the SDL perspective of using CALL and MALL out of the classroom still remains unexplored.

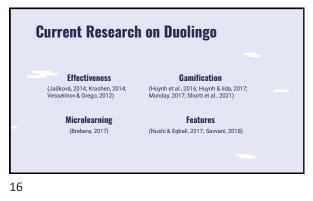


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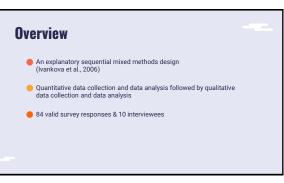


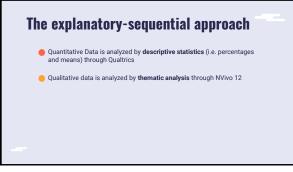
















Coal Management All interviewees (n=10) had goals, which can be classified into long-term outcome goals, short-term performance goals, and procedural goals. All three types of goals can be very specific or very vague. Sinterviewees have specific outcome goals, 5 of them can predict procedures that take them to the final outcome and set sub-goals. Learners who claim that they do not have specific goals are more likely to follow a goal generated by language learning software rather than a goal initiated by themselves.





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