Summer Internship @ LearningMate

May - June 2009 Kirti .H. Kanitkar

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About LearningMate

- LearningMate is a company that started around 8 years back, a brain child of alumni of Industrial Design Centre, who are passionate about contributing the field of education.
- Currently almost all the work that is being done is of education content designing and creation.
- A fresh and young Design team is the biggest strength.
- The designers in the team are very dynamic and each individually is highly competent and multitasker.
- There are various other teams working in the office too, like Content writers, Flash programers, Management group etc. each contributing there share to come up with the best output.

Assignments

- Objectives
- Understanding US education pattern/system
- Evaluating K12 courses developed by LearningMate
- Interacting with the K12 development team
- Presenting the findings

Approach

- Research on K12 and documentation
- US Education system
- Standards of education
- Virtual school/ home school concept
- Cultural / Social influences / Environment
- Grades
- Teaching methods to kids
- Behavior Patterns of kids
- Exposure to Media

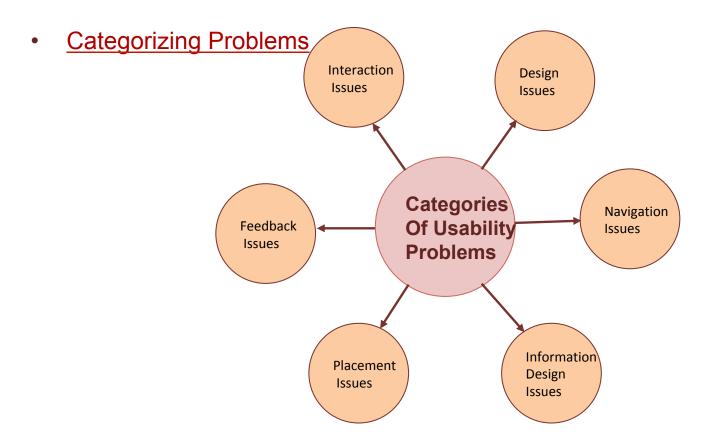
Finding ways where, the courses and the ideation can be enhanced

Approach

- Getting a brief about every course and considering the target group
- FLVS course Middle school kids
- UCCP course (Algebra 2) High school kids
- LWW course Nurses (Additional)
- Usability Testing by Heuristic Evaluation Method
- Making a report while finding problems (Documentation)
- Presenting the ideas to the teams

Approach

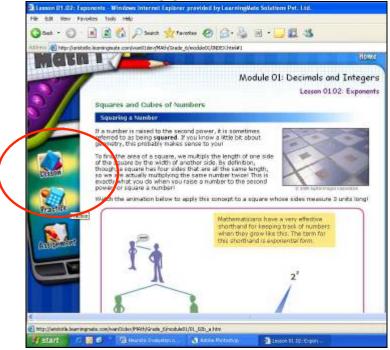
- Documentation of problems in a form of report for the different courses.
- There were OB Observations, BR- Breakdowns and DI- Design Ideas suggested for the same.



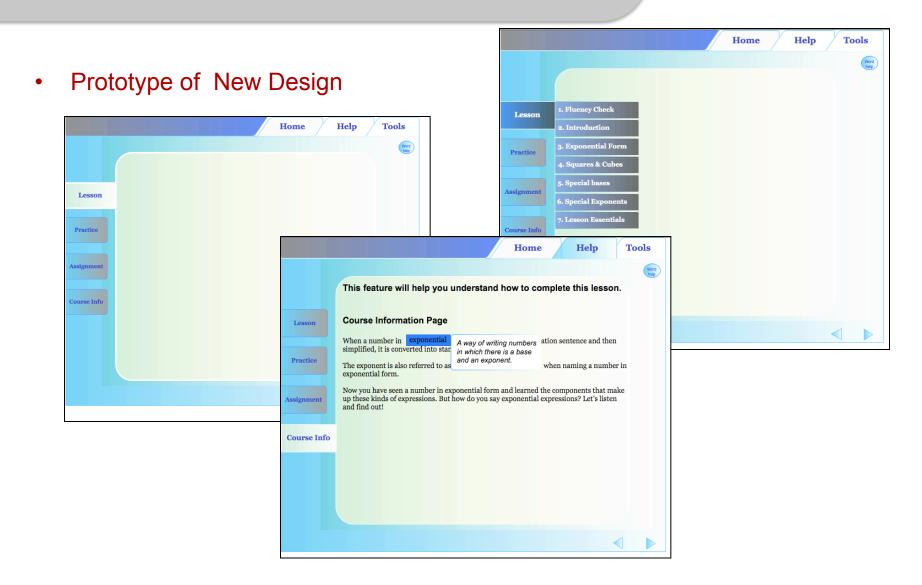
- Findings from FLVS course
- Design Issue :

Lesson, Practice and Assignment doesn't appear like Menu items or clickable icons.

Doesn't suggest where the user is at every state.



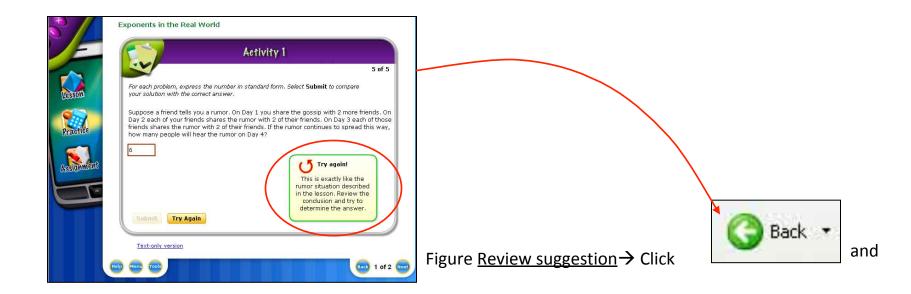
DI: The menu design of the course can be made easy and simple to navigate.



Navigation Issue :

Task 5 of 5:

On review conclusion if the kid presses 'back' button to conclusion page and then 'Next' to complete the activity, the kid again lands on the Activity 1 of 5. This would be confusing for the kid.



Navigation Issue :

go through / study the conclusions page

O •

the kid clicks next button

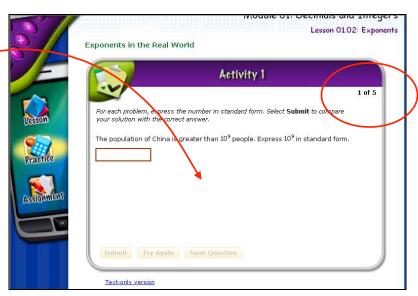
assuming he/she would reach activity 5 of 5 but he reaches the activity 1 of 5 page .

DI: 'Conclusion' can be directly linked to the

page where the kid last (left) or was in an assignment task



 \rightarrow then



Information Design Issue :

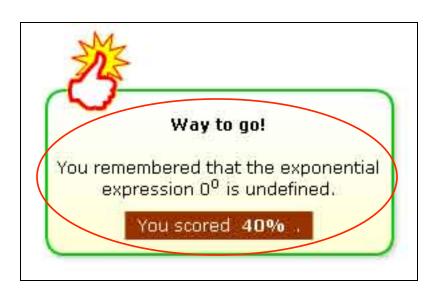
Buttons and tabs:

All the buttons and tabs ie 'icons' can have similar feature (appearance) which can enhance the look and feel and can bring in similarity in the whole learning module. They have different groups but need to have something in common to generate likeness.



Placement Issue :

At the end of each task, the answer of last task and the scoring of the module appears in the same window.

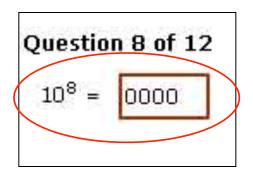




DI: The 'score' can be separately designed and aligned with the activity task boarder .For example a gift icon can appear, which when clicked ,discloses the total scores. This would highlight the overall effect of scoring.

Feedback Issue:

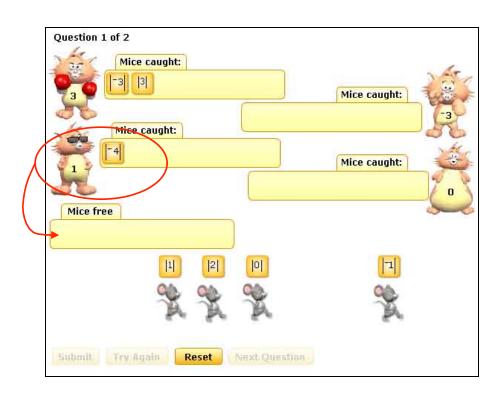
Once the kid starts typing, the number goes behind (out of) the text field, which would confuse the kid.



DI: The text fields can be made flexible to fit the appropriate size of the number, and giving the preview of the whole number.

Interaction Issue :

Flexibility to change the position, before hitting the submit button.

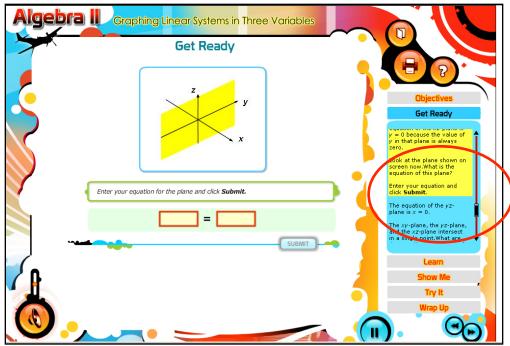


The number cannot be dragged once its placed in the caught boxes. The kids can feel that, the placement has by mistake got wrong, but it cannot be rectified, even after knowing it.

Findings from UCCP course

Design Issues

In the Get ready section, there are quick simple tasks given, but the answers are already revealed in the section given besides it, (below the highlighted yellow area) so it doesn't solve the purpose of asking questions.



DI: The text would appear with the audio.

Navigation Issues

Forward and Backward button works in between one part of the section and doesn't help to navigate from one part to another, for example one cannot go forward from 'Try it' to 'Wrap up' with the help of forward button on screen. Thus it can mislead the users.

It can be used to navigate within a section only like, 'Show me'

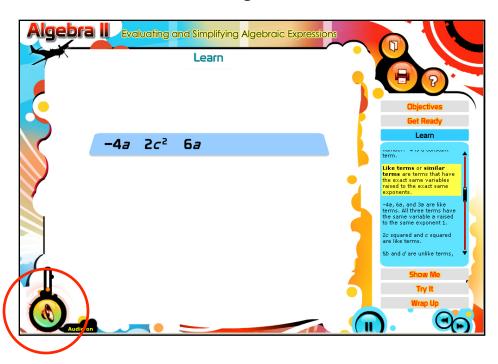


DI: It can appear with a specific part of the section, where ever it is applicable, because rest of the times it becomes inactive.

Information design Issues

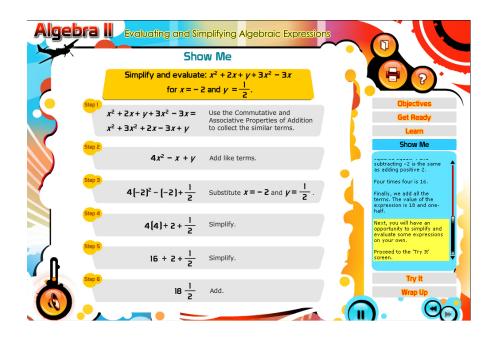
The mute icon can go to "Audio off state" as soon as the volume has been turned completely low.

BR: The icon doesn't give a feel or info, that when it is clicked it can be muted.



Placement Issues

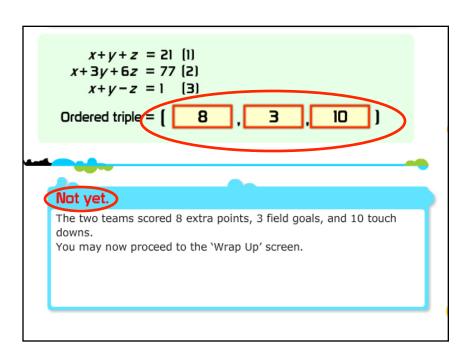
The background can look cluttered when there is too much text as for example in the given image – 'show me' doesn't have enough white space suggesting a difference in the background and the content.



DI: Suggestion of the menu and selected content area by the same color, or the background layer could have lighter colors.

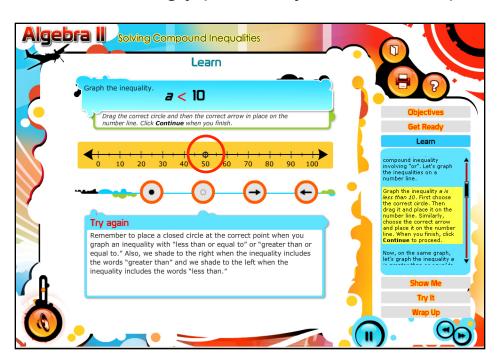
Feedback Issues

The title in the window reads "Not yet" and the correct answer is displayed in the space provided, and also in the window. The kid may get confused with it. Rather it could be more direct.



Usability Issues

Once the circle, dot is dragged and placed on the number line, and one feels it is wrongly placed by mistake, the place cannot be shifted.



DI: Flexibility of changing / shifting the place of the line and circle, till one hits the submit button.

Recommendations

- Scope of using Interaction design process in the current/ ongoing projects
- Suggestions for trying out Paper Prototypes at the very basic level, for Usability testing
- Conducting Heuristic evaluation after the first prototype is ready
- Evaluating the design as a third person, or taking the role of a 'User' and checking the interaction
- Arranging different sessions like brainstorming then affinity building to get design ideas etc.
- Getting user's involved for the usability testing, it would enhance the design process

Experiences

- CHALLENGES
- Doing User study, without being in the context of user's
- Creating awareness about Usability Testing and it's benefits
- Going through the complete module for several times for various courses

Experiences

- LEARNINGS
- Had fun with learning experience.
- Introduction to E-learning and how the courses are designed and implemented with regards to the target audiences.
- Understood how the projects are handled on corporate level.
- The execution of any project the process that goes behind from the beginning to the end.
- Interactions with various teams due to an opportunity of presentations.
 Responses with good encouragement to do the work.

Experiences

- TAKEAWAYS
- Knowledge about the E- Learning courses
- Research on K12 and US Education system in detail
- A good practice of doing Usability test

Thank You!!