

MathEasy

<http://s1.webstarts.com/matheasy/>

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MathEasy: Target Audience

J2ME based mobile application to help children of age groups 6-10 years to learn addition and subtraction. This is in fulfillment of coursework for CSE 594 - Mobile Computing for informal economies.

MathEasy: Targeted Functionality

- The application shall have randomly generated questions on simple addition and subtraction. It will be an adaptive game with difficulty level rising with each correct answer and remaining the same with wrong answers. The application will use following difficulty levels and shall ask user to select the difficulty level:
 - Easy: Single digit addition and subtraction
 - Medium: Two digit addition and subtraction
 - Hard: Three digit addition and subtraction

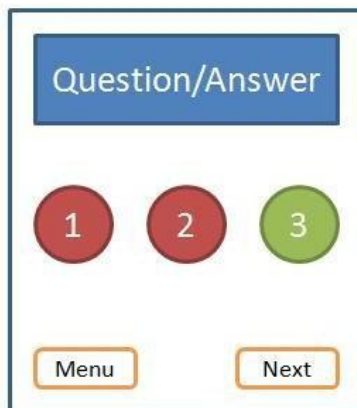
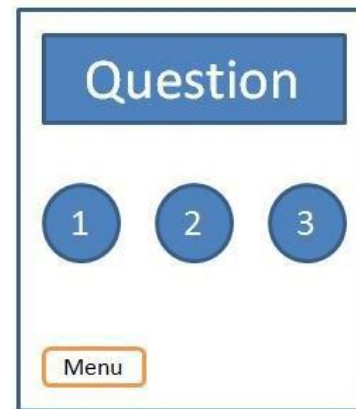
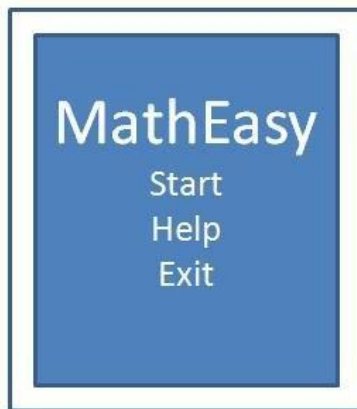
Application Organization & Technical Components

- The front end of the application is going to be designed using J2ME MIDLET. For development of the MIDLET, NetBeans package will be used. Being a mathematical quiz the questions can be generated on the fly so there is no need for any database or maintaining question bank.

MathEasy: Schedule

Activity	Start Date	End Date	Status
Requirements	Oct 7, 2009	Oct 13, 2009	Done
Design and J2ME Learning	Oct 14, 2009	Oct 27, 2009	In Progress
Coding (+ Unit Testing)	Oct 28, 2009	Nov 10, 2009	-
Mobile – Application Integration	Nov 11, 2009	Nov 17, 2009	-
Integration Testing	Nov 18, 2009	Dec 1, 2009	-

MathEasy: Screenshots



*Actual Implementation may vary.

MathEasy: Related Papers

- [A Device-Independent System Architecture for Adaptive Mobile Learning, Zhao, X. and Okamoto](#)
- [mLearning for kindergarten's mathematics teaching, Ketamo, H.](#)
- [mobile math - math educator and students engaged in mobile learning, Franklin Teresa, Peng Li-Wei](#)
- [Mobile Learning A New Paradigm in Electronic Learning, Chi-Hong Leung, Yuen-Yan Chan](#)
- [Open Source Implementation of M-Learning for Primary School in Malaysia, Saipunidzam Mahamad, Mohammad Noor Ibrahim, Mohamad Izzriq Ab Malek Foad, Shakirah Mohd Taib](#)
- [The role of m-learning in the future of e-learning in Africa, Tom H Brown](#)

THANKS

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