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| Software Engineering Lab Meeting Minutes | | | | | | | | |
| Date | | 2014/09/12 | | | | | | |
| Time | | 16:30~18:00 | | | | | | |
| Location | | Room 539 | | | | | | |
| Facilitator | | Jonathan Lee | | | | | | |
| Recorded by | | Ray Chin | | | | | | |
| Objective | | Review everyone’s progress | | | | | | |
| Participants | | | | | | | | |
| Name | | E-mail | | Role | | | Presence or not | |
| Jonathan Lee | | jlee@csie.ntu.edu.tw | | Advisor | | | Y | |
| Uiling Hsu | | uiling.hsu@gmail.com | | PhD Student | | | Y | |
| Emily Lu | | emily0673@gmail.com | | Master Student | | | Y | |
| Terence Liu | | terenzio@gmail.com | | Master Student | | | Y | |
| Ray Chin | | ray40702@gmail.com | | Master Student | | | Y | |
| Sandy Wu | | sandy30716@gmail.com | | Master Student | | | Y | |
| Mars Peng | | Mars.90226@gmail.com | | Master Student | | | Y | |
| Lin Hsuanchen | | hsuanchen@outlook.com | | Master Student | | | Y | |
| Carson Wang | | kiki86151@hotmail.com | | Master Student | | | Y | |
| Chin-Hsien Cheng | | leisure.shadow@gmail.com | | Master Student | | | Y | |
| Meeting Agendas | | | | | | | | |
| * Ontology Keyboard * BPEL * Interoperation * CEP * RETE Algorithm | | | | | | | | |
| Issues | | | | | | | | |
| * Ontology Keyboard   + Ways to increase the personal factor in the Ontology buildup. * BPEL   + Redesign of the Docking System.   + Decision of UUID. * Workflow Pattern   + Convert workflow patterns to uml * Interoperation   + Implement the design of mobile connection, and test on csie sub-network.   + Integrate IP Camera.   + Implement the InteroperationApp. * CEP   + The relationship between complex event and event pattern. * RETE   + Calculate the iteration number between our approach & no pipeline rete.   + Difference between Knowledge and KIE.   + Revise the benchmark time in our approach. | | | | | | | | |
| Action Items | | | | | | | | |
| No. | Action Items | | Responsibility | | Deadline | Status | | Remark |
|  | Try NFC | | Ray Chin, Chin-Hsien Cheng | | 8/15 | **Closed　8/14** | |  |
|  | Integrate Acceptor and Connector pattern into Gateway's class diagram | | Ray Chin, Chin-Hsien Cheng,  Uiling Hsu | | 8/13 | **Closed　8/14** | |  |
|  | Study broadcast techniques. | | Ray Chin, Chin-Hsien Cheng,  Uiling Hsu | | 8/15 | **Closed　8/14** | | Canceled. |
|  | Trace the microphone which currently can't be used. | | Ray Chin, Chin-Hsien Cheng | | 8/15 | **Closed　8/14** | | One adapter hasn’t been received. |
|  | Run the docking system. | | Emily Lu | | 8/15 | **Closed 8/14** | |  |
|  | Implement composition feedback with 4-gram word count into the personal ontology. | | Terence Liu | | 8/15 | **Closed 8/14** | |  |
|  | Redo MVC design correctly. | | Terence Liu | | 8/15 | **Closed 8/14** | |  |
|  | Present the RETE Network. | | Mars Peng | | 8/15 | **Closed 8/14** | |  |
|  | Present the pipeline RETE Network. | | Mars Peng | | 8/15 | **Closed 8/14** | |  |
|  | Read papers and compare the performance NFA and tree-based query. | | Sandy Wu | | 8/15 | **Closed 8/14** | |  |
|  | Test drools plugin to run in eclipse IDE. | | Carson Wang | | 8/15 | **Closed 8/14** | |  |
|  | Find other way ex: change maven to gradle. | | Carson Wang | | 8/15 | **Closed 8/14** | |  |  |
|  | Find more work of workflow pattern done by Hofstede. | | Hsuan-Chen　 Lin | | 8/15 | **Closed 8/14** | |  |  |
|  | Use flow diagram to show every workflow patterns. | | Hsuan-Chen　 Lin | | 8/15 | **Closed 8/14** | |  |  |
|  | Compare the iteration number between Rete Network & Pipeline Rete Network. | | Mars Peng | | 8/29 | **Ongoing** | |  |
|  | Make Pipeline Rete Network work with Eclipse IDE. | | Mars Peng | | 8/29 | **Closed 8/29** | |  |
|  | Find Waltz and Manners benchmark to test Pipeline Rete Network. | | Mars Peng | | 8/29 | **Closed 8/29** | |  |
|  | Design event pattern with Kevin Hsieh and make CEP call sensor. | | Sandy Wu | | 8/29 | **Closed**  **9/3** | |  |
|  | Observe the diversification of program API and change the new class and revise code. | | Carson Wang | | 8/29 | **Closed**  **9/3** | |  |
|  | Find waltz and manners benchmarks in the drools Github and observe the runtime of our parallel rete runtime between pipeline and no pipeline. | | Carson Wang | | 8/29 | **Closed**  **9/3** | |  |
|  | Find an IP camera. | | Ray Chin, Chin-Hsien Cheng | | 8/29 | **Closed**  **9/3** | |  |  |
|  | Fix bug of virtual box. | | Ray Chin, Chih-Hsien Cheng | | 8/29 | **Closed**  **9/3** | |  |
|  | Think up any possible solutions in smart home scenario and shopping mall scenario. | | Ray Chin, Chih-Hsien Cheng | | 8/29 | **Closed**  **9/3** | |  |
|  | Implement the Acceptor and Connector pattern integrated design. | | Ray Chin, Chih-Hsien Cheng | | 8/29 | **Closed**  **9/3** | |  |
|  | Survey whether the many-to-many relationship will cause network congestion. | | Ray Chin, Chih-Hsien Cheng | | 8/29 | **Closed**  **9/3** | |  |
|  | Understand Petri-net more and use it to describe workflow patterns. | | Hsuan-Chen　 Lin | | 8/29 | **Closed**  **9/3** | |  |
|  | Figure which workflow patterns are suitable for light-weight BPEL engine implementation. | | Hsuan-Chen　 Lin | | 8/29 | **Closed**  **9/3** | |  |
|  | Modify the client side of the docking system. | | Emily Lu | | 8/29 | **Closed**  **9/3** | |  |
|  | Understand how semantic similarity is applied in the Ontology. | | Terence Liu | | 8/29 | **Closed**  **9/3** | |  |
|  | Survey Redmine for DevOps project. | | Terence Liu | | 9/05 | **Closed**  **9/4** | |  |
|  | Implement Class Diagram of the Mobile App. | | Uiling Hsu | | 8/29 | **Closed**  **9/3** | |  |
|  | Use program to connect to IP camera. | | Chih-Hsien Cheng | | 9/12 | **Closed 9/12** | |  |
|  | Redo the network congestion experiment. | | Ray Chin | | 9/12 | **Open** | |  |
|  | Draw class diagram which included packet handling. | | Ray Chin | | 9/12 | **Closed 9/12** | |  |
|  | Redesign the InteroperationApp. | | Uiling Hsu | | 9/12 | **Ongoing** | |  |
|  | Implement the InteroperationApp. | | Uiling Hsu | | 9/12 | **Ongoing** | |  |
|  | Create branch to fix the bug. | | Carson Wang | | 9/12 | **Closed 9/12** | |  |
|  | KIE API replaced by Knowledge API to run the benchmark. | | Carson Wang | | 9/12 | **Closed 9/12** | |  |
|  | Paper Reading: ZStream: A Cost-based Query Processor for Adaptively Detecting Composite Event. | | Sandy Wu | | 9/12 | **Ongoing** | |  |
|  | Integrate the lightweight BPEL engine with docking system. | | Emily Lu | | 9/12 | **Ongoing** | |  |
|  | Redesign the class diagram and sequence diagram. | | Hsuan-Chen　 Lin | | 9/12 | **Closed 9/12** | |  |
|  | Follow the OO principle. | | Hsuan-Chen　 Lin | | 9/12 | **Closed 9/12** | |  |
|  | Survey more APIs, such as Facebook, etc. | | Terence Liu | | 9/12 | **Closed**  **9/12** | |  |
|  | Use the Abstract Factory Pattern in the design. | | Terence Liu | | 9/12 | **Closed**  **9/12** | |  |
|  | Consider new factors to be added into the Ontology to make it more personal. | | Terence Liu | | 9/19 | **Ongoing** | |  |
|  | Continue with the implementation of the keyboard. | | Terence Liu | | 9/19 | **Ongoing** | |  |
|  | Improve the docking system and deal with non-IP devices. | | Emily Lu | | 9/19 | **Ongoing** | |  |
|  | study mediator pattern | | Sandy Wu | | 9/19 | **Ongoing** | |  |
|  | Make class and sequence diagrams for other workflow patterns | | Hsuan-Chen　 Lin | | 9/19 | **Ongoing** | |  |
|  | Survey how to implement workflow patterns on bpel engine. | | Hsuan-Chen　 Lin | | 9/19 | **Ongoing** | |  |
|  | Find out the total number of iteration required for the original rete algorithm. | | Mars Peng, Carson Wang | | 9/19 | **Ongoing** | |  |
|  | Separate the initialization and execution time in pipeline rete. | | Mars Peng, Carson Wang | | 9/19 | **Ongoing** | |  |
|  | Figure out how to design the mapper and reducer to benefit from the parallel processing | | Mars Peng, Carson Wang | | 9/19 | **Ongoing** | |  |
|  | Find out the execution time for each method identified by Ray. | | Mars Peng, Carson Wang | | 9/19 | **Ongoing** | |  |
|  | Add the UDP connection for image transfer | | Uiling Hsu | | 9/19 | **Ongoing** | |  |
|  | Read the drools document. | | Carson Wang | | 9/19 | **Ongoing** | |  |
|  | Make ip camera connect to our gateway | | Chih-Hsien Cheng | | 9/19 | **Ongoing** | |  |
|  | Implement the mobile connection design | | Ray Chin | | 9/19 | **Ongoing** | |  |
|  | Test on csie sub-network | | Ray Chin, Uiling Hsu | | 9/19 | **Open** | |  |