Team 11: "MiniWatt!"
Code Inspection

Dylan Brashear
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Product	Answer Finder Code Inspection		
Date	10/15/2015		
Author	Craig Wilhite		
Moderator	Grant Jochums		
Inspector	Dylan Brashear, Adam Worthington, Chris Doak		
Recorder	Robbie Mantzoros		
Defect #	Description	Severity	How Corrected
1	findAnswer is capable of returning null. Code adds whatever is returned to a list of answers.	3	Add a check to determine if findAnswer returns a null. If it does not, add the result to the list of answers. If it does, do not add it.
2	Does not cap the limit of sources to pull from and sift through in finding an answer	3	Limit the number of sources to sift through to find answers to 10 documents/websites.
3	Does not cap the limit of questions that can be handled.	3	Limit the number of questions to be asked to 30. If you do not limit, someone could seize a back-end process and not let go of it.

Product	Question Code Inspection
Date	10/15/2015
Author	Grant Jochums
Moderator	Craig Wilhite
Inspector	Dylan Brashear, Adam Worthington, Robbie Mantzoros
Recorder	Chris Doak
Defect #	Description	Severity	How Corrected

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1	Don't check if question is null in the constructor of Question.java	3	Add a null check
2	parseQuestion needs null checks	3	add null check
3	whatQuestion can currently grab the entire question as the subject or prepositional phrase	2	Implement a new way of identifying questions and prep phrases
4	whenQuestion can currently skip over parts of the subject or prepositional phrase	2	Implement a new way of identifying subjects and prep phrases
5	Having different methods for each question type can be redundant	3	focus on part of sentence identification instead of preformed structures
6	Long form code with lots of nested loops and complex flag system	3	Code is jumbled and hard to read, break methods down into more simple tasks

Product	Front End GUI Code Inspection		
Date	10/15/2015		
Author	Chris Doak & Robbie Mantzoros		
Moderator	Adam Worthington		
Inspector	Dylan Brashear, Grant Jochums		
Recorder	Craig Wilhite		
Defect #	Description	Severity	How Corrected
1	Question/Answer text box has a set text method called with joke text	3	Remove the method calls so user does not have to clear the box every time.
2	Question file is not checked if null before it's file name is	3	Add a check for null.

	displayed.		
3	Posting invalid request does not trigger IOexception	3	Add catch for exception

Product	Back End Server Code Inspection
Date	10/15/2015
Author	Adam Worthington & Dylan Brashear
Moderator	Craig Wilhite
Inspector	Grant Jochums, Robbie Mantzoros, Chris Doak
Recorder	Robbie Mantzoros

Defect #	Description	Severity	How Corrected
1	Potential exceptions for setting values in PreparedStatements are not handled	2	Added try/catch for this block
2	If the client never stops writing a request to the server then the server will never begin/end execution.	2	Add preparations to ensure that the client will always stop transmitting data and that the server only accepts data from a request for so long.
3	Coding style needs to be followed more strictly. Naming conventions being the main problem.	3	Simply reiterate through the code for the servlet to ensure readability for external sources.