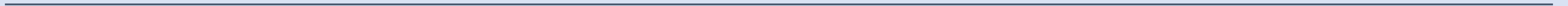




Progress Report

Team Blue





Contents

- Initial Plan
 - Progress
 - Difficulties
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Initial Plan

Date	Subject	Todo	
Nov. 1 st week	Search and Learn Library	<ul style="list-style-type: none">- Messaging Library(Netty)- External sorting Library	
Nov. 2 nd week	Project Design	<ul style="list-style-type: none">- Design Module architecture- Design Messaging system	
Nov. 3 rd week	Milestone #1	Connect Master and Worker	Sort in a Worker
Nov. 4 th week	Milestone #2	Pivoting from sample data	Sampling and Partitioning
Dec. 1 st week	Milestone #3	Connect workers to shuffle	Merge shuffled data
Dec. 2 nd week	Milestone #4	Overall test	
Dec. 3 rd week	Progress Presentation		

Initial Plan - Nov. 1st week

- Messaging Library(Netty)
 - Decide to use Netty
- External sorting Library
 - Decide not to use
 - Interface didn't fit our requirements

Initial Plan - Nov. 2nd week

- Design Module architecture
 - Delay after study Netty
- Design Messaging system
 - Complete

Initial Plan - Nov. 3rd week

- Connect Master and Worker
 - Delay because of changing library from Netty to gRPC
 - Study again..
- Sort in a Worker
 - Delay because of lack of time

Initial Plan - Nov. 4th week

- Delayed tasks
 - Complete connecting Master and Worker
 - Design Algorithm of Sorting in a Worker
- Pivoting from sample data
 - Complete to write code
 - Will be merged after Sampling done
- Sampling and Partitioning
 - Sampling – almost done
 - Partitioning– delayed, will be done with sorting

Difficulties

- Changing Netty to gRPC took a week to study library again
- Time management
 - Plan with a lot of details
 - Don't be optimistic

Revised Plan

Date	Subject	Todo	
Done: Connect Master to Worker, Sampling			
Dec. 1 st week	Milestone #3	Implement Pivoting Implement Shuffle	Implement sorting, partitioning Design Merging
Dec. 2 nd week	Milestone #4	Overall test	Implement Merging
Dec. 3 rd week	Progress Presentation		



Thank you

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