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| ***Big Data Application Development - Team Project Proposal*** |
| ***Part 1. General Information*** |
| **Team Members:**  **Project Title:**  **Project Description: *(Write one paragraph to describe what this application will do.)***  **Who is a typical user of your application:**  **What insight will you derive from the data?**  **What actuation decisions can be made based on the actionable insight?** |

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| ***Big Data Application Development - Team Project Proposal*** | | |
| ***Part 2. Data Source Information*** | | |
| ***Name of Data Source 1:***  ***Data Source Description:*** | | |
| **Data Collection Frequency**   * Are you collecting the data in realtime? Or are you collecting it periodically? * Are you collecting static data? (e.g. historic data that you load once) | **Data Size**   * *Estimate size of the data you will store, e.g. MB, GB, TB, PB* | **Data Frequency**   * If realtime data, what is the frequency and volume of data (how often and how much data will you collect at a time)? * If batch data, how often will you collect it? |
| ☐ Realtime (ongoing near-realtime collection)  ☐ Batch (multiple non near-realtimecollections)  ☐ Static (one time collection) | ☐ MB  ☐ 1-10 GB  ☐ 10-100 GB  ☐ 100-300 GB  ☐ 300-500 GB  ☐ > 500 GB | **If realtime data:**   * How often will you collect data?   ☐ Every second, or every few seconds  ☐ Every minute, or every few minutes   * What is the size of data you will collect at each interval?   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **If *not* realtime data:**   * Will you collect a batch of data periodically or just once (static)?   ☐ Just once  ☐ Every hour, or every few hours  ☐ Every day, or every few days, or every week, or every month   * How much data that will be collected at each interval?   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| ***Big Data Application Development - Team Project Proposal*** | | |
| ***Part 2. Data Source Information*** | | |
| ***Name of Data Source 2:***  ***Data Source Description:*** | | |
| **Data Collection Frequency**   * Are you collecting the data in realtime? Or are you collecting it periodically? * Are you collecting static data? (e.g. historic data that you load once) | **Data Size**   * *Estimate size of the data you will store, e.g. MB, GB, TB, PB* | **Data Frequency**   * If realtime data, what is the frequency and volume of data (how often and how much data will you collect at a time)? * If batch data, how often will you collect it? |
| ☐ Realtime (ongoing near-realtime collection)  ☐ Batch (multiple non near-realtimecollections)  ☐ Static (one time collection) | ☐ MB  ☐ 1-10 GB  ☐ 10-100 GB  ☐ 100-300 GB  ☐ 300-500 GB  ☐ > 500 GB | **If realtime data:**   * How often will you collect data?   ☐ Every second, or every few seconds  ☐ Every minute, or every few minutes   * What is the size of data you will collect at each interval?   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **If *not* realtime data:**   * Will you collect a batch of data periodically or just once (static)?   ☐ Just once  ☐ Every hour, or every few hours  ☐ Every day, or every few days, or every week, or every month   * How much data that will be collected at each interval?   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| ***Big Data Application Development - Team Project Proposal*** | | |
| ***Part 2. Data Source Information*** | | |
| ***Name of Data Source N:***  ***Data Source Description:*** | | |
| **Data Collection Frequency**   * Are you collecting the data in realtime? Or are you collecting it periodically? * Are you collecting static data? (e.g. historic data that you load once) | **Data Size**   * *Estimate size of the data you will store, e.g. MB, GB, TB, PB* | **Data Frequency**   * If realtime data, what is the frequency and volume of data (how often and how much data will you collect at a time)? * If batch data, how often will you collect it? |
| ☐ Realtime (ongoing near-realtime collection)  ☐ Batch (multiple non near-realtimecollections)  ☐ Static (one time collection) | ☐ MB  ☐ 1-10 GB  ☐ 10-100 GB  ☐ 100-300 GB  ☐ 300-500 GB  ☐ > 500 GB | **If realtime data:**   * How often will you collect data?   ☐ Every second, or every few seconds  ☐ Every minute, or every few minutes   * What is the size of data you will collect at each interval?   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **If *not* realtime data:**   * Will you collect a batch of data periodically or just once (static)?   ☐ Just once  ☐ Every hour, or every few hours  ☐ Every day, or every few days, or every week, or every month   * How much data that will be collected at each interval?   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |