CS 160 File Analyzer Team

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Risk Management

1. Unable to come up with online/offline collaboration solutions  
     
   Likelihood: somewhat unlikely

Severity: necessary  
Consequences: slows down completion of project  
Work-arounds: meet in person outside of class, constantly inform and share changes  
Difficulty: difficult to implement this workaround since we are all busy to meet in person  
Work-arounds Pros: Ensures each members contribute equally  
Work-arounds Cons: Requires extra time and effort

1. Unable to create Gantt chart  
     
   Likelihood: unlikely

Severity: somewhat necessary  
Consequences: causes extra time required on project due to poor planning  
Work-arounds: create similar style chart or scheduling methods  
Difficulty: not difficult to come up with alternate scheduling methods  
Work-arounds Pros: May be easier to follow than Gantt Chart  
Work-arounds Cons: May be harder to follow than Gantt Chart

1. Miss some possible risks when creating risk management chart  
     
   Likelihood: likely, we may not know we have a problem until we start working

Severity: may not be necessary that we catch all possible risks  
Consequences: may cause extra delay in the project  
Work-arounds: schedule extra time for all tasks in case of unexpected problems  
Difficulty: not difficult to schedule extra time  
Work-arounds Pros: Can use extra time for rest if tasks completes early  
Work-arounds Cons: May cause delays if still need more time than scheduled

1. Miss adding in some documentations  
     
   Likelihood: likely, we may forget to add details or not realize the importance of certain documents

Severity: may not be important in smaller scale projects, but could be problematic for larger teams  
Consequences: may miss important details or features from missing documentations  
Work-arounds: all team members must be thorough on maintaining documentation  
Difficulty: somewhat difficult  
Work-arounds Pros: All team members will be more in synced with each other and the project  
Work-arounds Cons: Requires extra effort and time to maintain documentation

1. Unable to understand or implement algorithm  
     
   Likelihood: High chance that nobody in the group has implemented the algorithm

Severity: The user can’t live without this feature because it’s the core of the application. It must be implemented and as quick as possible

Consequences: unable to provide a finish product  
Work-arounds: Could find other ways to implement the algorithm (always different solutions) or another algorithm similar to the one requested  
Difficulty: It may be easier or harder in implementing the alternative algorithm  
Work-arounds Pros: The pros is that figuring out a way of making the product work with a related algorithm  
Work-arounds Cons: The cons is that the customer did not want the algorithm and it might slightly/noticeably affect the application efficiency

1. Unable to decide on potential programming language team will use  
     
   Likelihood: somewhat unlikely

Severity: necessary  
Consequences: slows down completion of project  
Work-arounds: work with a language the majority of the team is comfortable with  
Difficulty: not difficult to implement this workaround since most students at SJSU know similar languages  
Work-arounds Pros: Allows the team to work on the project  
Work-arounds Cons: Members not proficient in the agreed upon language may need to teach themselves

1. Team members not completing assigned tasks  
     
   Likelihood: somewhat likely

Severity: necessary  
Consequences: other members have to do extra work, slows down project  
Work-arounds: maintain constant communication to ensure all members are on task  
Difficulty: not difficult to implement with Facebook messenger  
Work-arounds Pros: Keeps project moving on schedule  
Work-arounds Cons: Requires extra time and effort

1. Unable to create the product due to lack of experience  
     
   Likelihood: somewhat likely

Severity: necessary  
Consequences: unable to complete the project  
Work-arounds: work on other aspects of the project such as documentation and charts to make up for the inability to complete the project  
Difficulty: somewhat difficult, requires extra effort  
Work-arounds Pros: Team will be better are project management in future projects  
Work-arounds Cons: Will still have an incomplete project

1. May miss some bugs during testing  
     
   Likelihood: somewhat likely

Severity: necessary  
Consequences: may cause the final product to not function properly  
Work-arounds: be extra thorough during testing, all members should participate  
Difficulty: not difficult to implement, may require extra time  
Work-arounds Pros: Team members will have more knowledge of the project  
Work-arounds Cons: May still miss some bugs

1. No open communication channel for team

Likelihood: Low chance that it will be a problem since all of my teammates have had experience working in teams before

Severity: The user can live without this feature, but communication within the team is important in developing the product efficiently

Consequences: This could potentially affect other tasks tremendously

Work-arounds: There are many ways to create an open channel

Difficulty: It wouldn’t be complicated since we all agree that communication is important and make the effort to keep in contact

Work-arounds Pros: Faster, more efficient completion of project  
Work-arounds Cons: More effort required to communicate

1. Decide the kind of statistical analysis performed

Likelihood: Medium

Severity: High

Consequences: Bad program analyzing, misleading information

Work-arounds: Perform a simpler analysis that’s practical and usable

Difficulty: Low, task gets easier due to simpler solution

Work-arounds Pros: Analysis might be simple but useful  
Work-arounds Cons: Client may not approve of type of analysis algorithm performs

1. How to disassemble file; analyze bits

Likelihood: Medium

Severity: High

Consequences: If not done, file would not be read properly / contain bad analysis

Work-arounds: Not use files; hardcode information, website-oriented

Difficulty: Medium

Work-arounds Pros: Straightforward  
Work-arounds Cons: Not design-friendly