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| IE471 |
| Mid-Term Exam |
| Winter 2017 |

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| **Othman Alhilal, 9-2-2017** |

***Movie:*** *Mamma Mia!*

***Project****: Finding Sophie father to walk her down the aisle*

***Project manager:*** *Sophie*

**Project scope:**

**Project Objective;**

To find Sophie one of the possible fathers, Sam, Harry and Bill without her mom’s knowing in order to escort her down the aisle before the wedding day within a time period of approximately 16 days.

**Deliverables:**

* Create a plan to find her dad from the three possible strangers
* Send them invitation without her mom knowing
* Hire a team and reveal the plan to them
* Make sure they arrive before the wedding
* Walk with her Dad on the wedding day

**Milestones:**

* Creating a plan to find her father **(Tue 2/7/17)**
* Send an invitation to the three possible fathers  **(Mon 2/13/17)**
* Hire a team and reveal her plan to them  **(Thu 2/16/17)**
* Arrival of the three men **(Thu 2/23/17)**
* Escorting her in the wedding day **(Fri 2/24/17)**

**Technical requirements:**

* Her Mom’s must not know about the project
* The team members must be close friends
* The date on the three invitations must be the same
* The team member must communicate by meeting in person only

**Limits and Exclusions:**

* The clients in this project are responsible for the travel expenses.
* The project does not consider doing a DNA test to determine who is the father as a solution
* The project must stop after the wedding day
* The team member must not reveal any tasks to anyone outside the circle of the project
* The team members must not exceed two people.

**Reviews with the customers:**

* The three possible strangers are the client of this project

**Project Priority Matrix:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Time** | **Performance** | **Cost** |
| **Constraint** | **X** |  |  |
| **Enhance** |  | **X** |  |
| **Accept** |  |  | **X** |

**Justification for the Priority Matrix:**

**Time:** Time is the most important element in this project, for that reason its considered as a constraint. Because, the project Manager and her team need to find the dad before the wedding day which is the dead line. Moreover, the wedding invitations were already sent to the guests and there is no chance to change the date.

**Performance:** Performance is considered as an enhance. Because, the success of this project depends on how the team members preform their tasks in order reaching the goal.

**Cost:** Is an accept since the wedding expense is already covered by Sophie mother and her groom. Moreover, the only cost that this project going to take is the cost of transportations and the cost of wasting energy on finding her dad.

**Project Risks:**

Some of the possible risks in this project:

1. One or more of the fathers don’t accept the invitation or show up.
2. The mom know that her previous boyfriends are invited
3. The groom cancels the wedding
4. Fight between the three possible fathers.
5. The true Biological father feeling the guilt of being away and never walk her down the aisle

**Risk Assessment form:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Likelihood** | **Impact** | **Detection** | **When** |
| **1** | 5 | 5 | 1 | At the arriving day |
| **2** | 5 | 3 | 2 | Smuggling them into their residency |
| **3** | 2 | 5 | 1 | It is possible at any time |
| **4** | 4 | 4 | 4 | At the time they meet |
| **5** | 1 | 5 | 2 | The moment he discover that he is the father |

**Risk Response Matrix:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Response** | **Contingency Plan** | **Trigger** | **Responsibility** |
| **1** | Mitigate: arrange another communicate method | Set a skype meeting or a phone call to investigate the absence. | One or more not in the port | Sophie |
| **2** | Mitigate: make the mom busy and away from the previous boyfriends. | Arrange a place that is far away from Sophie’s mother and explain why she invited them | Sophie mom’s see her ex boyfriends | Everyone |
| **3** | Mitigate: convince him to reconsider. | Talk to him and show him how much she loves him. | The groom feel lonely while Sophie looking for her dad | Sophie |
| **4** | Mitigate: don’t let them meet in their way to the wedding. | Send every one of them to a different location | they meet and talk. | Everyone |
| **5** | Mitigate: let him know that it’s not his fault. | Talk to him and calm him down. Moreover, let him know how much she love him. | Feeling that he is un comfortable about him attending the wedding | Sophie |