Abstract

A prince had no love or affection, was cursed to become a beast by an Enchantress. Learning to love another and earn her love in return is the only way he could break the spell, but only before the last petal of his enchanted rose fell. Several years later, the Beast imprisoned a man who accidentally broke into his castle. The man’s daughter came to rescue her father and offered her place in his instead. The Beast hoped she is the one, who can break the spell and accepted the request with a promise she will remain in the castle forever.

Description of Domain

Enchantress cursed Prince Adam to a beast, because he had no love in his heart. His servants were also transformed into household objects. If Prince Adam wants to be human again, he would need to learn to love another and earn her love in return, before the last petal of his enchanted rose fell; otherwise, he will be a beast forever.
Ten years later, an inventor, Maurice, got lost on his way to an inventor’s event and accidentally broke into the Beast’s castle. The Beast imprisoned him for trespassing.

Maurice’s daughter, Belle, came to rescue him and offered her place in his instead. The Beast hoped she is the one who can break the spell and accepted the request with a promise she will remain in the castle forever.
The Beast quickly fell in love with Belle, and it tried his best to win her love in return. At the night, which the Beast was, going to propose to Belle, Belle found out her father was sick. Belle asked the Beast, if she can go home to take care of her father. The Beast released Belle because it loves her.

Gaston, who also loves Belle, found out Belle likes the Beast; moreover, he led villagers to attack the Beast’s castle and tried to kill the Beast.
While Gaston was fighting with the Beast, Belle came back to the castle to make sure the Beast is all right. Gaston falls into a ravine, when he tried to kill the Beast on the roof. At the Beast’s last gasp just before the last petal of the enchanted rose fell, Belle found out she was already in love with the Beast. Therefore, the spell was broke, and the Beast and its servants were transformed back to human. In the end, Belle and Prince Adam got married and they lived happily after.
Description of Program that is wanted

The following requirements are required in order for Beauty and the Beast to fall in love:

- Maurice went to inventor’s event and got lost in woods
- Maurice broke into the Beast’s castle, when looking for a shelter
- Belle offered her place in exchanging Maurice’s freedom
- Belle went home to take care her father, which causes Gaston led villagers to attack the Beast’s castle
- Gaston killed the Beast which made Belle understood her love to the Beast

Detailed Requirements

1. Maurice went to the inventor’s event with his latest invention
   - Maurice invented an automatic chopping wood machine.
   - Maurice brought his latest invention with him to the inventor’s event by his
Phillip wanted to take a way that looked safer, but Maurice insisted to take the short cut that looked scary.

Phillip was shocked by the wolves and ran away without Maurice

Maurice got lost in the woods and attacked by wolves

2. Maurice broke into the Beast’s castle and got imprisoned
   - Lumière, the chandelier, led Maurice to a room with fireplace.
   - Cogsworth, the clock, tried to deny Maurice’s access.
   - Mrs. Potts, the teapot, prepared hot eat for Maurice to warm up.
   - Chip, the teacup, served hot tea to Maurice.
   - The Beast found out about Maurice and imprisoned him for trespassing.

3. Belle came to rescue Maurice and took his place
   - Belle saw Phillip came home along and wondering, where her father was.
   - Phillip led Belle to the woods and to the Beast’s castle.
   - Belle saw his father’s hat on the ground and went into the castle to find him.
   - Belle found out Maurice was locked up in a small chamber
   - Belle promised the Beast to stay in the castle forever after her father was released

4. Belle ran away from the Beast
   - Belle went to the west wing of the castle due to curiosity.
   - Belle went into the Beast’s bedroom.
   - Belle found the enchanted rose and was going to touch it
   - The Beast found Belle in his bedroom, it was so mad.
   - Belle ran away, while he Beast was yelling and trying to smash her.

5. The Beast fell in love with Belle while getting along with her
   - Belle read stories to the Beast.
   - Belle taught the Beast how to feed sparrows.
   - Belle and the Beast play with snow in the courtyard.
   - The Beast gave Belle a library full of books as a gift.
   - Belle accommodated the Beast not to use cutlery while eating.

6. The Beast prepared to propose to Belle
   - The Beast had its servants clean the whole castle.
• The Beast took a show and got a haircut.
• The Beast invited Belle to dinner.
• Belle dance with the Beast after dinner
• Belle told Beast that she wanted to see her father again.
• The Beast showed Belle her father through the magic mirror.

7. Belle went back to her sick father
• Belle requested the Beast to let her go back to her father.
• The Beast released Belle due to its love to Belle.
• Belle took her sick father home and took good care of him.
• Villagers were trying to send Maurice to the madhouse.
• Gaston found about the Beast from Belle.

8. Gaston led villagers to attack the Beast’s castle
• Villagers fought with the Beast’s servants.
• Gaston found the Beast and shot an arrow at it.
• Beast fought back after it saw Belle came back for it.
• Gaston fell into the ravine while trying to kill the Beast.

9. The Beast and Belle got together
• The Beast was injured and dying.
• Belle told the Beast that she loves it after its last gasp right before the last petal of the enchanted rose fell.
• The Beast and its servants transformed back to human.
• Belle married Prince Adam, the Beast, and they lived happily after.

**Use Cases and User Context**

**User Context**
Belle was a bookworm, who dreamed to have her love story same as those in the books. It was Belle’s destiny that she met the Beast because of her father’s trespassing. Finally, Belle and the Beast got together and lived happily after. Most girls have the same dream as Belle does. Belle’s story should give those girls a hope that they will meet their Mr. Right someday.

**Use Cases**

**Use Case 1: Imprison Belle’s father**

**Description:**
Belle’s father, Maurice, got lost on his way to an inventor’s event. He was seeking a shelter and he accidentally broke into the Beast’s castle. The Beast imprisoned Maurice for trespassing.

**Actor:** 1. Person 2. Animal  
**Role:** 1.1 Maurice 2.1 TheBeast

### Use Case 2: Help Maurice to warm up

**Description:**

After Maurice broke into the Beast’s castle, Lumière led Maurice to a room with fireplace. Moreover, Mrs. Potts and Chip provided hot tea to Maurice.

**Actor:** 1. Person 2. Chandelier 3. Teapot 4. Teacup  
**Role:** 1.1 Maurice 2.1 Lumière 3.1 MrsPotts 4.1 Chip

### Use Case 3: Offer an exchange for Maurice to be free

**Description:**

Belle found out her father was trapped in the Beast’s castle and she offers her place in his stead. The Beast accepted with a promise that Belle would remain in his castle forever.

**Actor:** 1. Person 2 Animal  
**Role:** 1.1 Belle 2.1 TheBeast

### Use Case 4: Run away from the Beast

**Description:**

The Beast found Belle in his bedroom staring at the enchanted rose. The Beast was so angry; therefore, he yelled at Belle and tried to smash her. Belle got scared and ran away from the Beast.

**Actor:** 1. Person 2. Animal 3. Horse  
**Role:** 1.1 Belle 2.1 TheBeast 3.1 Philip

### Use Case 5: Save Belle from eaten by wolves

**Description:**

After Belle ran away from the Beast, she met a bunch of hungry wolves in the woods. The Beast saved Belle, when the hungry wolves tried to eat her.

**Actor:** 1. Person 2. Animal  
**Role:** 1.1 Belle 2.1 TheBeast 2.2 Wolve
Use Case 6: Give Belle a surprise
Description:
The Beast wanted to do something for Belle. It led Belle to a room and told her to close her eyes, so that it can give her a surprise. Belle was surprised by the gift, a library full of books.
Actor: 1. Person 2. Animal
Role: 1.1 Belle 2.1 TheBeast

Use Case 7: Play in the courtyard
Description:
In the courtyard, Belle taught the Beast how to feed sparrows. After that, they were having fun throwing snowballs at each other.
Role: 1.1 Belle 2.1 TheBeast 3.1 Sparrow

Use Case 8: Propose to Belle
Description:
After falling in love with Belle for a while, the Beast was ready to propose to Belle. The Beast invited Belle to dinner and then danced with her after the dinner.
Actor: 1. Person 2. Animal
Role: 1.1 Belle 2.1 TheBeast

Use Case 9: Release Belle
Description:
Belle saw her sick father through the magic mirror and asked the Beast, if she can go back to take care her father. Due to the love to Belle, the Beast released Belle back to her father.
Actor: 1. Person 2. Animal
Role: 1.1 Belle 2.1 TheBeast

Use Case 10: Fight with Gaston on the roof
Description:
Gaston was trying to kill the Beast because he could not believe Belle loves the Beast. Gaston shot an arrow at the Beast and pushed it out of the room. After that, they fought each other on the roof.
Actor: 1. Person 2. Animal
Role: 1.1 Gaston 2.1 TheBeast
References for Further Study


Acknowledgement:

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