

Models.py

```
class Review(db.Model):
    __tablename__ = 'REVIEWS'
    email = db.Column(db.String, db.ForeignKey("USERS.email"), primary_key =
True)
    isbn = db.Column(db.String, db.ForeignKey("BOOKS.isbn"), primary_key =
True)
    rating = db.Column(db.Integer, nullable = True, default=0)
    review = db.Column(db.String, nullable = True)
    timestamp = db.Column(db.DateTime, nullable = False)

    def __init__(self, email, isbn, rating, review):
        self.email = email
        self.isbn = isbn
        self.rating = rating
        self.review = review
        self.timestamp = datetime.now()
```

Rating.html

```
<!DOCTYPE html>
<html>
    <head>
        <Title> Rating Page </Title>
        <link rel = "stylesheet" type = "text/css" href = "stars.css">
    </head>

    <body>
        <!-- <div class="container"> -->
        {% if {{rating_one}} == 0 -%}
            checked1=""
            checked2=""
            checked3=""
            checked4=""
            checked5=""
            display="style = 'display:none;'"
```

```
{% elif {{rating_one}} == 1 -%}
checked1=checked
checked2=""
checked3=""
checked4=""
checked5=""
matter = {{review}}
rating = {{rating}}
bookName = {{Name}}
{% elif {{rating_one}} == 2 -%}
checked1=""
checked2=checked
checked3=""
checked4=""
checked5=""
matter = {{review}}
rating = {{rating}};
bookName = {{Name}}
{% elif {{rating_one}} == 3 -%}
checked1=""
checked2=""
checked3=checked
checked4=""
checked5=""
matter = {{review}}
rating = {{rating}}
bookName = {{Name}}
{% elif {{rating_one}} == 4 -%}
checked1=""
checked2=""
checked3=""
checked4=checked
checked5=""
matter = {{review}}
rating = {{rating}}
bookName = {{Name}}
{% elif {{rating_one}} == 5 -%}
```

```

checked1=""
checked2=""
checked3=""
checked4=""
checked5=checked
matter = {{review}}
rating = {{rating}}
bookName = {{Name}}
{%- endif %}
<div class="feedback">
  <!-- <h1>Please rate the book here</h1> -->
  <form class="rating">
    <input type="radio" name=5 id="rating-5" {{checked5}}>
    <label for="rating-5"></label>
    <input type="radio" name=4 id="rating-4" {{checked4}}>
    <label for="rating-4"></label>
    <input type="radio" name=3 id="rating-3" {{checked3}}>
    <label for="rating-3"></label>
    <input type="radio" name=2 id="rating-2" {{checked2}}>
    <label for="rating-2"></label>
    <input type="radio" name=1 id="rating-1" {{checked1}}>
    <label for="rating-1"></label>
    <div class="emoji-wrapper">
      <div class="emoji">
        <svg class="rating-0"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512">
          <circle cx="256" cy="256" r="256" fill="#ffd93b"/>
          <path d="M512 256c0 141.44-114.64 256-256 256-80.48
0-152.32-37.12-199.28-95.28 43.92 35.52 99.84 56.72 160.72 56.72 141.36 0
256-114.56 256-256 0-60.88-21.2-116.8-56.72-160.72C474.8 103.68 512 175.52
512 256z" fill="#f4c534"/>
          <ellipse transform="scale(-1) rotate(31.21 715.433
-595.455)" cx="166.318" cy="199.829" rx="56.146" ry="56.13" fill="#fff"/>
          <ellipse transform="rotate(-148.804 180.87 175.82)"
cx="180.871" cy="175.822" rx="28.048" ry="28.08" fill="#3e4347"/>
          <ellipse transform="rotate(-113.778 194.434 165.995)"
cx="194.433" cy="165.993" rx="8.016" ry="5.296" fill="#5a5f63"/>

```

```

        <ellipse transform="scale(-1) rotate(31.21 715.397
-1237.664)" cx="345.695" cy="199.819" rx="56.146" ry="56.13" fill="#fff"/>
        <ellipse transform="rotate(-148.804 360.25 175.837)"
cx="360.252" cy="175.84" rx="28.048" ry="28.08" fill="#3e4347"/>
        <ellipse transform="scale(-1) rotate(66.227 254.508
-573.138)" cx="373.794" cy="165.987" rx="8.016" ry="5.296"
fill="#5a5f63"/>
        <path d="M370.56 344.4c0 7.696-6.224 13.92-13.92
13.92H155.36c-7.616 0-13.92-6.224-13.92-13.92s6.304-13.92
13.92-13.92h201.296c7.696.016 13.904 6.224 13.904 13.92z" fill="#3e4347"/>
    </svg>
    <svg class="rating-1"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512">
        <circle cx="256" cy="256" r="256" fill="#ffd93b"/>
        <path d="M512 256A256 256 0 0 1 56.7 416.7a256 256 0 0
0 360-360c58.1 47 95.3 118.8 95.3 199.3z" fill="#f4c534"/>
        <path d="M328.4 428a92.8 92.8 0 0 0-145-.1 6.8 6.8 0 0
1-12-5.8 86.6 86.6 0 0 1 84.5-69 86.6 86.6 0 0 1 84.7 69.8c1.3 6.9-7.7
10.6-12.2 5.1z" fill="#3e4347"/>
        <path d="M269.2 222.3c5.3 62.8 52 113.9 104.8 113.9
52.3 0 90.8-51.1
85.6-113.9-2-25-10.8-47.9-23.7-66.7-4.1-6.1-12.2-8-18.5-4.2a111.8 111.8 0
0 1-60.1 16.2c-22.8 0-42.1-5.6-57.8-14.8-6.8-4-15.4-1.5-18.9 5.4-9
18.2-13.2 40.3-11.4 64.1z" fill="#f4c534"/>
        <path d="M357 189.5c25.8 0 47-7.1 63.7-18.7 10 14.6 17
32.1 18.7 51.6 4 49.6-26.1 89.7-67.5 89.7-41.6 0-78.4-40.1-82.5-89.7A95 95
0 0 1 298 174c16 9.7 35.6 15.5 59 15.5z" fill="#fff"/>
        <path d="M396.2 246.1a38.5 38.5 0 0 1-38.7 38.6 38.5
38.5 0 0 1-38.6-38.6 38.6 38.6 0 1 1 77.3 0z" fill="#3e4347"/>
        <path d="M380.4 241.1c-3.2 3.2-9.9
1.7-14.9-3.2-4.8-4.8-6.2-11.5-3-14.7 3.3-3.4 10-2 14.9 2.9 4.9 5 6.4 11.7
3 15z" fill="#fff"/>
        <path d="M242.8 222.3c-5.3 62.8-52 113.9-104.8
113.9-52.3 0-90.8-51.1-85.6-113.9 2-25 10.8-47.9 23.7-66.7 4.1-6.1 12.2-8
18.5-4.2 16.2 10.1 36.2 16.2 60.1 16.2 22.8 0 42.1-5.6 57.8-14.8 6.8-4
15.4-1.5 18.9 5.4 9 18.2 13.2 40.3 11.4 64.1z" fill="#f4c534"/>

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        <path d="M155 189.5c-25.8 0-47-7.1-63.7-18.7-10 14.6-17
32.1-18.7 51.6-4 49.6 26.1 89.7 67.5 89.7 41.6 0 78.4-40.1 82.5-89.7A95 95
0 0 0 214 174c-16 9.7-35.6 15.5-59 15.5z" fill="#fff"/>
        <path d="M115.8 246.1a38.5 38.5 0 0 0 38.7 38.6 38.5
38.5 0 0 0 38.6-38.6 38.6 38.6 0 1 0-77.3 0z" fill="#3e4347"/>
        <path d="M131.6 241.1c3.2 3.2 9.9 1.7 14.9-3.2 4.8-4.8
6.2-11.5 3-14.7-3.3-3.4-10-2-14.9 2.9-4.9 5-6.4 11.7-3 15z" fill="#fff"/>
    </svg>
    <svg class="rating-2"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512">
        <circle cx="256" cy="256" r="256" fill="#ffd93b"/>
        <path d="M512 256A256 256 0 0 1 56.7 416.7a256 256 0 0
0 360-360c58.1 47 95.3 118.8 95.3 199.3z" fill="#f4c534"/>
        <path d="M336.6 403.2c-6.5 8-16 10-25.5 5.2a117.6 117.6
0 0 0-110.2 0c-9.4 4.9-19 3.3-25.6-4.6-6.5-7.7-4.7-21.1 8.4-28 45.1-24
99.5-24 144.6 0 13 7 14.8 19.7 8.3 27.4z" fill="#3e4347"/>
        <path d="M276.6 244.3a79.3 79.3 0 1 1 158.8 0 79.5 79.5
0 1 1-158.8 0z" fill="#fff"/>
        <circle cx="340" cy="260.4" r="36.2" fill="#3e4347"/>
        <g fill="#fff">
            <ellipse transform="rotate(-135 326.4 246.6)"
cx="326.4" cy="246.6" rx="6.5" ry="10"/>
            <path d="M231.9 244.3a79.3 79.3 0 1 0-158.8 0 79.5
79.5 0 1 0 158.8 0z"/>
        </g>
        <circle cx="168.5" cy="260.4" r="36.2" fill="#3e4347"/>
        <ellipse transform="rotate(-135 182.1 246.7)"
cx="182.1" cy="246.7" rx="10" ry="6.5" fill="#fff"/>
    </svg>
    <svg class="rating-3"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512">
        <circle cx="256" cy="256" r="256" fill="#ffd93b"/>
        <path d="M407.7 352.8a163.9 163.9 0 0 1-303.5
0c-2.3-5.5 1.5-12 7.5-13.2a780.8 780.8 0 0 1 288.4 0c6 1.2 9.9 7.7 7.6
13.2z" fill="#3e4347"/>
        <path d="M512 256A256 256 0 0 1 56.7 416.7a256 256 0 0
0 360-360c58.1 47 95.3 118.8 95.3 199.3z" fill="#f4c534"/>

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        <g fill="#fff">
            <path d="M115.3 339c18.2 29.6 75.1 32.8 143.1 32.8
67.1 0 124.2-3.2 143.2-31.6l-1.5-.6a780.6 780.6 0 0 0-284.8-.6z"/>
            <ellipse cx="356.4" cy="205.3" rx="81.1" ry="81"/>
        </g>
        <ellipse cx="356.4" cy="205.3" rx="44.2" ry="44.2"
fill="#3e4347"/>
        <g fill="#fff">
            <ellipse transform="scale(-1) rotate(45 454 -906)"
cx="375.3" cy="188.1" rx="12" ry="8.1"/>
            <ellipse cx="155.6" cy="205.3" rx="81.1" ry="81"/>
        </g>
        <ellipse cx="155.6" cy="205.3" rx="44.2" ry="44.2"
fill="#3e4347"/>
        <ellipse transform="scale(-1) rotate(45 454 -421.3)"
cx="174.5" cy="188" rx="12" ry="8.1" fill="#fff"/>
    </svg>
    <svg class="rating-4"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512">
        <circle cx="256" cy="256" r="256" fill="#ffd93b"/>
        <path d="M512 256A256 256 0 0 1 56.7 416.7a256 256 0 0
0 360-360c58.1 47 95.3 118.8 95.3 199.3z" fill="#f4c534"/>
        <path d="M232.3 201.3c0 49.2-74.3 94.2-74.3
94.2s-74.4-45-74.4-94.2a38 38 0 0 1 74.4-11.1 38 38 0 0 1 74.3 11.1z"
fill="#e24b4b"/>
        <path d="M96.1 173.3a37.7 37.7 0 0 0-12.4 28c0 49.2
74.3 94.2 74.3 94.2C80.2 229.8 95.6 175.2 96 173.3z" fill="#d03f3f"/>
        <path d="M215.2 200c-3.6 3-9.8
1-13.8-4.1-4.2-5.2-4.6-11.5-1.2-14.1 3.6-2.8 9.7-.7 13.9 4.4 4 5.2 4.6
11.4 1.1 13.8z" fill="#fff"/>
        <path d="M428.4 201.3c0 49.2-74.4 94.2-74.4
94.2s-74.3-45-74.3-94.2a38 38 0 0 1 74.4-11.1 38 38 0 0 1 74.3 11.1z"
fill="#e24b4b"/>
        <path d="M292.2 173.3a37.7 37.7 0 0 0-12.4 28c0 49.2
74.3 94.2 74.3 94.2-77.8-65.7-62.4-120.3-61.9-122.2z" fill="#d03f3f"/>

```

```

        <path d="M411.3 200c-3.6 3-9.8
1-13.8-4.1-4.2-5.2-4.6-11.5-1.2-14.1 3.6-2.8 9.7-.7 13.9 4.4 4 5.2 4.6
11.4 1.1 13.8z" fill="#fff"/>
        <path d="M381.7 374.1c-30.2 35.9-75.3 64.4-125.7
64.4s-95.4-28.5-125.8-64.2a17.6 17.6 0 0 1 16.5-28.7 627.7 627.7 0 0 0
218.7-.1c16.2-2.7 27 16.1 16.3 28.6z" fill="#3e4347"/>
        <path d="M256 438.5c25.7 0 50-7.5
71.7-19.5-9-33.7-40.7-43.3-62.6-31.7-29.7 15.8-62.8-4.7-75.6 34.3 20.3
10.4 42.8 17 66.5 17z" fill="#e24b4b"/>
    </svg>
    <svg class="rating-5"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512">
        <g fill="#ffd93b">
            <circle cx="256" cy="256" r="256"/>
            <path d="M512 256A256 256 0 0 1 56.8 416.7a256 256 0
0 0 360-360c58 47 95.2 118.8 95.2 199.3z"/>
        </g>
        <path d="M512 99.4v165.1c0 11-8.9 19.9-19.7
19.9h-187c-13
0-23.5-10.5-23.5-23.5v-21.3c0-12.9-8.9-24.8-21.6-26.7-16.2-2.5-30 10-30
25.5V261c0 13-10.5 23.5-23.5 23.5h-187A19.7 19.7 0 0 1 0 264.7V99.4c0-10.9
8.8-19.7 19.7-19.7h472.6c10.8 0 19.7 8.7 19.7 19.7z" fill="#e9eff4"/>
        <path d="M204.6 138v88.2a23 23 0 0 1-23 23H58.2a23 23 0
0 1-23-23v-88.3a23 23 0 0 1 23-23h123.4a23 23 0 0 1 23 23z"
fill="#45cbea"/>
        <path d="M476.9 138v88.2a23 23 0 0 1-23 23H330.3a23 23
0 0 1-23-23v-88.3a23 23 0 0 1 23-23h123.4a23 23 0 0 1 23 23z"
fill="#e84d88"/>
        <g fill="#38c0dc">
            <path d="M95.2 114.9l35.1 203v23.2c0 1.8.3 3.7.7 5.4l116.8-116.7h-29.3z"/>
        </g>
        <g fill="#d23f77">
            <path d="M373.3 114.9l-66 66V196l81.3-81.2zM401.5
114.9l-94.1 94v17.3c0 3.5.8 6.8 2.2 9.8l121.1-121.1h-29.2z"/>
        </g>

```

```

        <path d="M329.5 395.2c0 44.7-33 81-73.4 81-40.7
0-73.5-36.3-73.5-81s32.8-81 73.5-81c40.5 0 73.4 36.3 73.4 81z"
fill="#3e4347"/>
        <path d="M256 476.2a70 70 0 0 0 53.3-25.5 34.6 34.6 0 0
0-58-25 34.4 34.4 0 0 0-47.8 26 69.9 69.9 0 0 0 52.6 24.5z"
fill="#e24b4b"/>
        <path d="M290.3 434.8c-1 3.4-5.8 5.2-11
3.9s-8.4-5.1-7.4-8.7c.8-3.3 5.7-5 10.7-3.8 5.1 1.4 8.5 5.3 7.7 8.6z"
fill="#fff" opacity=".2"/>
    </svg>
</div>
</div>
</form>
</div>
<!-- <h1>Review Page</h1> -->
<h2 style="font-style: oblique;"font-style: oblique;-style:
oblique;">Book Name:{{bookName}}</h2>
    <h3 style="font-style: oblique;">Overall:    {{rating}}/5.0
</h3>
<!-- </div> -->
<!-- <p><strong>Tip:</strong> </p> -->
<form>
    <button {{display}} class='a' type="reset" value="Edit" onclick =
"style.display='none'">Edit</button>
    <!-- <br><br> -->
    <textarea name = 'matter' placeholder="Please review this book
here...">{{matter}}</textarea>
    <br><br>
    <button action = "{{url_for('get_book(isbn)')}}" class='b'
type="submit" value="Cancel">Cancel</button>
    <button method="POST"class='c' type="reset"
value="Post">Post</button>
</form>
</body>
</html>

```


Stars.css

```
* { box-sizing: border-box; }

/* .container {
  background-image:
url("https://www.toptal.com/designers/subtlepatterns/patterns/concrete-texture.png");
  display: flex;
  flex-wrap: wrap;
  height: 100vh;
  align-items: center;
  justify-content: center;
  padding: 0 20px;
} */

.rating {
  display: flex;
  width: 100%;
  justify-content: center;
  overflow: hidden;
  flex-direction: row-reverse;
  height: 150px;
  position: relative;
}

.rating-0 {
  filter: grayscale(100%);
}

.rating > input {
  display: none;
}

.rating > label {
  cursor: pointer;
  width: 40px;
```

```

height: 40px;
margin-top: auto;
background-image: url("data:image/svg+xml;charset=UTF-8,%3csvg
xmlns='http://www.w3.org/2000/svg' width='126.729'
height='126.73'%3e%3cpath fill='%23e3e3e3' d='M121.215
44.2121-34.899-3.3c-2.2-.2-4.101-1.6-5-3.71-12.5-30.3c-2-5-9.101-5-11.101
01-12.4 30.3c-.8 2.1-2.8 3.5-5 3.71-34.9 3.3c-5.2.5-7.3 7-3.4 10.5126.3
23.1c1.7 1.5 2.4 3.7 1.9 5.91-7.9 32.399c-1.2 5.101 4.3 9.3 8.9
6.601129.1-17.101c1.9-1.1 4.2-1.1 6.1 0129.101 17.101c4.6 2.699 10.1-1.4
8.899-6.6011-7.8-32.399c-.5-2.2.2-4.4 1.9-5.9126.3-23.1c3.8-3.5
1.6-10-3.6-10.5z'/%3e%3c/svg%3e");
background-repeat: no-repeat;
background-position: center;
background-size: 76%;
transition: .3s;
}

.rating > input:checked ~ label,
.rating > input:checked ~ label ~ label {
background-image: url("data:image/svg+xml;charset=UTF-8,%3csvg
xmlns='http://www.w3.org/2000/svg' width='126.729'
height='126.73'%3e%3cpath fill='%23fcd93a' d='M121.215
44.2121-34.899-3.3c-2.2-.2-4.101-1.6-5-3.71-12.5-30.3c-2-5-9.101-5-11.101
01-12.4 30.3c-.8 2.1-2.8 3.5-5 3.71-34.9 3.3c-5.2.5-7.3 7-3.4 10.5126.3
23.1c1.7 1.5 2.4 3.7 1.9 5.91-7.9 32.399c-1.2 5.101 4.3 9.3 8.9
6.601129.1-17.101c1.9-1.1 4.2-1.1 6.1 0129.101 17.101c4.6 2.699 10.1-1.4
8.899-6.6011-7.8-32.399c-.5-2.2.2-4.4 1.9-5.9126.3-23.1c3.8-3.5
1.6-10-3.6-10.5z'/%3e%3c/svg%3e");
}

.rating > input:not(:checked) ~ label:hover,
.rating > input:not(:checked) ~ label:hover ~ label {
background-image: url("data:image/svg+xml;charset=UTF-8,%3csvg
xmlns='http://www.w3.org/2000/svg' width='126.729'
height='126.73'%3e%3cpath fill='%23d8b11e' d='M121.215
44.2121-34.899-3.3c-2.2-.2-4.101-1.6-5-3.71-12.5-30.3c-2-5-9.101-5-11.101

```

```
01-12.4 30.3c-.8 2.1-2.8 3.5-5 3.71-34.9 3.3c-5.2.5-7.3 7-3.4 10.5126.3
23.1c1.7 1.5 2.4 3.7 1.9 5.91-7.9 32.399c-1.2 5.101 4.3 9.3 8.9
6.601129.1-17.101c1.9-1.1 4.2-1.1 6.1 0129.101 17.101c4.6 2.699 10.1-1.4
8.899-6.6011-7.8-32.399c-.5-2.2.2-4.4 1.9-5.9126.3-23.1c3.8-3.5
1.6-10-3.6-10.5z'/%3e%3c/svg%3e");
```

```
}
```

```
.emoji-wrapper {
  width: 100%;
  text-align: center;
  height: 100px;
  overflow: hidden;
  position: absolute;
  top: 0;
  left: 0;
}
```

```
.emoji-wrapper:before,
.emoji-wrapper:after{
  content: "";
  height: 15px;
  width: 100%;
  position: absolute;
  left: 0;
  z-index: 1;
}
```

```
.emoji-wrapper:before {
  top: 0;
  background: linear-gradient(to bottom, rgba(255,255,255,1)
0%,rgba(255,255,255,1) 35%,rgba(255,255,255,0) 100%);
}
```

```
.emoji-wrapper:after{
  bottom: 0;
  background: linear-gradient(to top, rgba(255,255,255,1)
0%,rgba(255,255,255,1) 35%,rgba(255,255,255,0) 100%);
```

```
}

.emoji {
  display: flex;
  flex-direction: column;
  align-items: center;
  transition: .3s;
}

.emoji > svg {
  margin: 15px 0;
  width: 70px;
  height: 70px;
  flex-shrink: 0;
}

#rating-1:checked ~ .emoji-wrapper > .emoji { transform:
translateY(-100px); }
#rating-2:checked ~ .emoji-wrapper > .emoji { transform:
translateY(-200px); }
#rating-3:checked ~ .emoji-wrapper > .emoji { transform:
translateY(-300px); }
#rating-4:checked ~ .emoji-wrapper > .emoji { transform:
translateY(-400px); }
#rating-5:checked ~ .emoji-wrapper > .emoji { transform:
translateY(-500px); }

.feedback {
  max-width: 360px;
  background-color: #fff;
  width: 100%;
  padding: 10px;
  border-radius: 8px;
  display: flex;
  flex-direction: column;
  flex-wrap: wrap;
  align-items: center;
```

```
/* justify-content: center; */
float: right;
left:"-50%";
/* box-shadow: 0 4px 30px rgba(0,0,0,.05); */
}

textarea {
width: 100%;
height: 150px;
padding: 12px 20px;
box-sizing: border-box;
border: 2px solid #ccc;
border-radius: 4px;
background-color: #fff;
font-size: 16px;
resize: none;
}

.a:hover, .b:hover, .c:hover {
background-color: #4CAF50; /* Green */
}

.a, .b, .c {
background-color:black;
border: none;
color: white;
padding: 20px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;
border-radius: 12px;
}

.b, .c{
```

```
float: left;
}
```

Application.py

```
email = request.form.get('email')
    review_det= Review.query.filter_by(email = email, isbn = isbn).first()
    rating_one=review_det.rating
    review=review_det.review
    if(review == None):
        review = ""
    rate = request.form.get('rating')
    rev = request.form.get('matter')
    revs = Review(email, isbn, rate,rev)
    db.session.add(revs)
    db.session.commit()
    return render_template("rating.html", rating_one=rating_one,
review=review, rating= rating, bookName=Name)
```