Published_API_Design

1. Create Review Categories
2. Write a Review
3. Give Rating, overall and by category
4. View the Review and Rating
5. View overall Reputation Score
6. Write a Reply to the Review

Story Specification	URL	Used by	HTTP Method	Request API	Response API	Description

Create Review Categories	/api/reviewcategory/createReviewCategory	BusinessUser	POST	{
				"review_category_crud_rq": {
				"header": {
				"user_name": "businessUser",
				"product": "rnr",
				"request_type": "CREATE_REVIEW_CATEGORY"
				},
				"category_list": [
				{
				"category_id": 1,
				"category_name": "Room",
				"category_desc": "Quality of Room",
				"Status": "Inactive"
				},
				{
				"category_id": 2,
				"category_name": "Pool",
				"category_desc": "Quality of Pool Water",
				"Status": "Active"
				}
				]
				}
				}
					{
					"review_category_crud_rs": {
					"status": "success"
					}
					}
						Allows an administrator or Business user to create new review categories for use in a Review and Reputation System.

Edit Review Category	/api/reviewcategory/editReviewCategory	BusinessUser	PUT	{
				"review_category_crud_rq": {
				"header": {
				"user_name": "businessUser",
				"product": "rnr",
				"request_type": "EDIT_REVIEW_CATEGORY"
				},
				"category_id": "1",
				"category_name": "Room",
				"category_desc": "Quality of Room",
				"Status": "Active"
				}
				}
					{
					"review_category_crud_rs": {
					"status": "success"
					}
					}
						Administrator or Business user to update an existing review category in the Review and Reputation System.

Delete Review Category	/api/reviewcategory/deleteReviewCategory	BusinessUser	DELETE	{
				"review_category_crud_rq": {
				"header": {
				"user_name": "businessUser",
				"product": "rnr",
				"request_type": "DELETE_REVIEW_CATEGORY"
				},
				"category_list": [
				{
				"category_id": 2
				}
				]
				}
				}
					{
					"delete_category_crud_rs": {
					"review_category_crud_rs": {
					"status": "success"
					}
					}
					}
						Allows an administrator or Business user to delete an existing review category. This will manage categories that are no longer relevant or necessary for the Review and Reputation System.

Fetch all active review categories	/api/reviewcategory/getReviewCategoryInfo	BusinessUser/ EndUser	POST	{
				"review_category_fetch_rq": {
				"header": {
				"user_name": "Business User",
				"product": "rnr",
				"request_type": "FETCH_REVIEW_CATEGORY"
				}
				}
				}
					{
					"review_category_fetch_rs": {
					"category_list": [
					{
					"category_id": "1",
					"category_name": "Room",
					"category_desc": "Quality of Room",
					"modified_by": "ITC Bengal",
					"last_modified": "N/A",
					"Status": "Active"
					},
					{
					"category_id": "2",
					"category_name": "Pool",
					"category_desc": "Quality of Pool Water",
					"modified_by": "ITC Bengal",
					"last_modified": "N/A",
					"Status": "Inactive"
					}
					],
					"status": "success"
					}
					}
						Retrieves a list of all Active and Inactive review categories in the Review and Reputation System.

Write a Review, rating	/api/review/CreateReview	EndUser	POST		Allows end users to submit a review and rating for a product, service, or entity in the Review and Reputation System.

```json
{
  "new_review_rating_create_rq": {
    "header": {
      "user_name": "End User",
      "product": "rnr",
      "request_type": "CREATE_NEW_REVIEW_RATING"
    },
    "user_email_id": "SRIJ@gmail.com",
    "overall_rating": "4.5",
    "overall_review": "Good.",
    "category_wise_review_rating": [
      {
        "category_id": "1",
        "rating": "4.5",
        "review": "clean."
      },
      {
        "category_id": "2",
        "rating": "5",
        "review": "Good Service"
      }
    ]
  }
}
```

```json
{
  "new_review_rating_create_rs": {
    "status": "success"
  }
}
```

View the Review and Rating as BusinessUser	/api/review/reviews/business/FetchReviews	BusinessUser	POST		Allows a business user to view all reviews and ratings associated with their entity (product, service, or business) to analyze customer feedback and assess their Review and Reputation.

```json
{
  "review_rating_info_rq": {
    "header": {
      "user_name": "businessUser",
      "product": "rnr",
      "request_type": "REVIEW_RATING_INFO"
    }
  }
}
```

```json
{
  "review_rating_info_rs": {
    "review_rating_info_by_user": [
      {
        "review_id": "677f9ce04eafb024fbbb8726",
        "user_id": "677f9c754eafb024fbbb871f",
        "user_display_name": "SRIJ",
        "category_id": null,
        "review_responded": false,
        "review": "Good.",
        "rating": "4.5"
      },
      {
        "review_id": "677f9ce04eafb024fbbb8728",
        "user_id": "677f9c754eafb024fbbb871f",
        "user_display_name": "SRIJ",
        "category_id": "677b82ade94854932cb0b3e6",
        "review_responded": false,
        "review": "clean.",
        "rating": "4.5"
      }
    ],
    "status": "success"
  }
}
```

View the Review and Rating as EndUser	/api/review/reviews/user/FetchReviews	EndUser	POST		Allows end users to view reviews and ratings for a specific product, service, or entity to help them make informed decisions based on feedback from other users in the Review and Reputation System.

```json
{
  "review_rating_fetch_rq": {
    "header": {
      "user_name": "endUser",
      "product": "rnr",
      "request_type": "FETCH_REVIEW_RATING"
    }
  }
}
```

```json
{
  "review_rating_fetch_rs": {
    "overall_rating": 3.621212121212121,
    "overall_review": "Good.",
    "created_at": "2024-12-28T10:11:45.323Z",
    "user_id": "676fc0c6200f7fe99fb86a3d",
    "reputation_score": 3.621212121212121,
    "review_rating_details_overall": [
      {
        "review_id": "676fcee173915d3f28084232",
        "user_name": "SRIJ",
        "user_id": "676fc0c6200f7fe99fb86a3d",
        "created_at": "2024-12-28T10:11:45.323Z",
        "review": "Good.",
        "rating": 5
      }
    ],
    "category_wise_review_rating": [
      {
        "category_name": "Pool",
        "category_desc": "Quality of Pool Water.",
        "review_rating_details_by_category": [
          {
            "review": "The infinity pool was a highlight of our stay.",
            "rating": 5
          }
        ]
      },
      {
        "category_name": "Room",
        "category_desc": "Quality Of Room",
        "review_rating_details_by_category": [
          {
            "review": "clean.",
            "rating": 4.5
          }
        ]
      }
    ]
  }
}
```

| Reply to a review | /api/reply/ReplyToReviews | Business User | POST | {
  "review_reply_thread_rq": {
    "header": {
      "user_name": "6773749785ddce63371f4cb7",
      "product": "rnr",
      "request_type": "FETCH_REVIEW_REPLY_THREAD"
    },
    "review_id" : "676fcee173915d3f28084232",
    "content": "Thank you for the review! We hope to serve you again!"
  }
} | {
  "review_reply_rq": {
    "status": "success"
  }
} | Allows a business user representative to reply to a specific review to address feedback, clarify issues, or express gratitude in the Review and Reputation System. |
| View Review Reply thread | /api/reply/ReplyToReviews | Business User | POST | {
  "review_reply_thread_rq": {
    "header": {
      "user_name": "ITC",
      "product": "rnr",
      "request_type": "FETCH_REVIEW_REPLY_THREAD"
    },
    "review_id" : "67610449a6d76f6902d1171c"
  }
} | {
  "review_reply_rs": {
    "review_id": "676fcee173915d3f28084232",
    "review_reply_info": [
      {
        "reply": "Thank you for the review! We hope to serve you again!",
        "replied_by": "ITC"
      }
    ]
  }
} | Retrieves the full reply thread for a specific review, including all review,ratings of users and any subsequent responses from the reviewer. |