```
# Define default values for employee attributes
DEFAULT_VALUES = {
    "base_salary": 0,
    "commission": 0,
    "deduction": 0,
    "cpf_contribution": 0,
    "sick_leave": 0,
    "sick_pay": 0,
    "overtime": 0,
    "regular_time": 0,
    "address": None,
    "phone": None,
    "email": None,
    "manager": None
}

# Function to create an employee dictionary
def create_employee(employee_id, name, date_of_birth, joining_date, employment_type, **kwargs):
    employee = {
        "employee_id": employee_id,
        "name": name,
        "date_of_birth": date_of_birth,
        "joining_date": joining_date,
        "employment_type": employment_type,
    }
    employee.update({key: kwargs.get(key, default) for key, default in DEFAULT_VALUES.items()})
    return employee

# Example usage:
employee1 = create_employee(1, "John Doe", "1990-01-01", "2020-01-01", "Full-time")
employee2 = create_employee(2, "Jane Smith", "1995-05-15", "2021-03-15", "Part-time", address="123 Main St", phone="555-1234", email="jane@e


print(employee1["name"])
print(employee2["joining_date"])
```

```
John Doe
2021-03-15
```

```
# Declare necessary variables and data structures

# Quantitative feedback variables
rating_scale = [1, 2, 3, 4, 5]  # Define a rating scale from 1 to 5
customer_rating = None  # Variable to store the customer's rating
# Other quantitative feedback variables can be added as needed, such as numerical ratings for specific aspects of the service

# Qualitative feedback variables
customer_comments = ""  # Variable to store the customer's comments
# Other qualitative feedback variables can be added as needed, such as lists to store multiple comments or specific qualitative aspects to b

# Feedback data structure
feedback_data = {
    "quantitative": {
        "rating_scale": rating_scale,
        "customer_rating": customer_rating,
        # Add other quantitative feedback variables here
    },
    "qualitative": {
        "customer_comments": customer_comments,
        # Add other qualitative feedback variables here
    }
}

# Example usage:
# Assume a customer provided feedback
feedback_data["quantitative"]["customer_rating"] = 4
feedback_data["qualitative"]["customer_comments"] = "The staff was very helpful and friendly."

# Accessing feedback data
print("Customer rating:", feedback_data["quantitative"]["customer_rating"])
print("Customer comments:", feedback_data["qualitative"]["customer_comments"])
```

```
      Customer rating: 4
      Customer comments: The staff was very helpful and friendly.


# Application demographic information
demographic_info = {
    "full_name": "",
    "date_of_birth": "",
    "gender": "",
    "marital_status": "",
    "address": {
        "street_address": "",
        "city": "",
        "state": "",
        "zipcode": "",
        "country": ""
    },
    "phone_number": "",
    "email": ""
}

# Application education data
education_info = {
    "highest_degree": "",
    "institution": "",
    "field_of_study": "",
    "graduation_year": ""
    # Add more education-related fields as needed
}

# Application employment data
employment_info = {
    "employer_name": "",
    "job_title": "",
    "employment_type": "",
    "employment_start_date": "",
    "employment_end_date": "",
    "monthly_income": 0
    # Add more employment-related fields as needed
}

# Application prior loan data
prior_loan_info = {
    "loan_type": "",
    "loan_amount": 0,
    "loan_purpose": "",
    "loan_approval_date": "",
    "loan_repayment_terms": "",
    "outstanding_balance": 0
    # Add more fields related to prior loans as needed
}

# Combine all application data into a single dictionary
loan_application_data = {
    "demographic_info": demographic_info,
    "education_info": education_info,
    "employment_info": employment_info,
    "prior_loan_info": prior_loan_info
}

# Example usage:
# Assume the application form is filled out
loan_application_data["demographic_info"]["full_name"] = "John Doe"
loan_application_data["education_info"]["highest_degree"] = "Bachelor's"
loan_application_data["employment_info"]["employer_name"] = "ABC Company"
loan_application_data["prior_loan_info"]["loan_type"] = "Home Loan"

# Accessing application data
print("Applicant's name:", loan_application_data["demographic_info"]["full_name"])
print("Highest degree obtained:", loan_application_data["education_info"]["highest_degree"])
print("Employer name:", loan_application_data["employment_info"]["employer_name"])
print("Prior loan type:", loan_application_data["prior_loan_info"]["loan_type"])
```