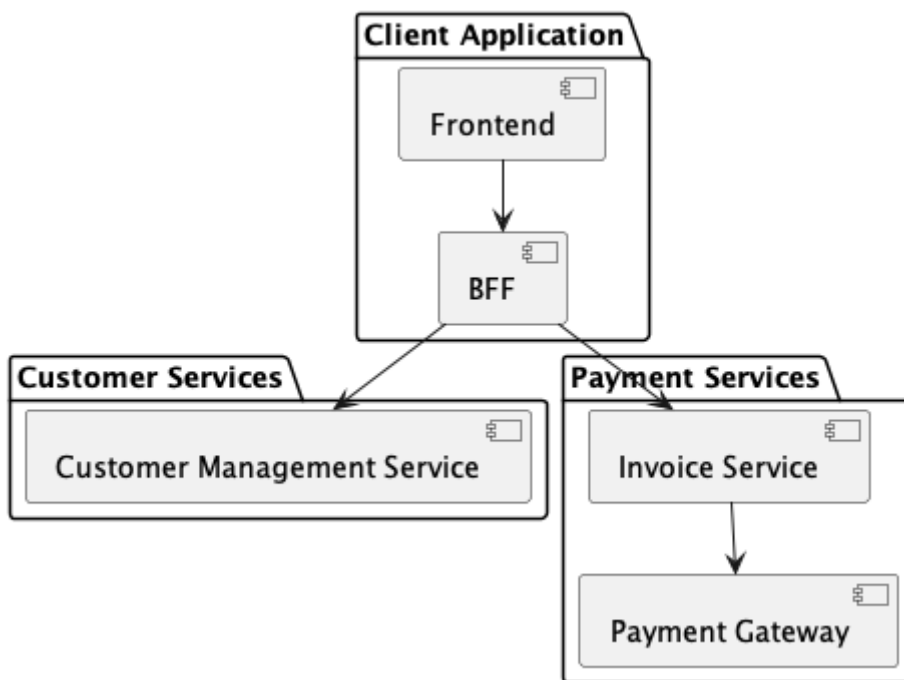# Architecture Overview

This section is usually used to provide the context of your project. It is helpful to give a contextual diagram to illustrate how the system you are building fits in with the existing applications at a high level. You can provide:

- high level overview of the requirements,
- list of stakeholders,
- ..etc.

Detailed Architecture

In this section, you provide all the details of your architecture using different diagrams. Use various diagrams to represent different views of your solution, such as:

- Deployment Diagrams
- Runtime Diagrams
- Collaboration and sequence diagrams
- Class Diagrams

```
┌─────────────────────────────────────────┐
│  Ⓒ  BankAccount                          │
├─────────────────────────────────────────┤
│  ▫ accountNumber: string                 │
│  ▫ balance: double                       │
├─────────────────────────────────────────┤
│  ● deposit(amount: double): void         │
│  ● withdraw(amount: double): void        │
└─────────────────────────────────────────┘
           △                    △
           │                    │
┌──────────────────────┐  ┌──────────────────────────────────────────┐
│  Ⓒ  SavingsAccount   │  │  Ⓒ  CheckingAccount                      │
├──────────────────────┤  ├──────────────────────────────────────────┤
│  ▫ interestRate:     │  │  ▫ overdraftLimit: double                │
│    double            │  ├──────────────────────────────────────────┤
├──────────────────────┤  │  ● withdrawWithOverdraft(amount: double):│
│  ● addInterest():    │  │    void                                  │
│    void              │  └──────────────────────────────────────────┘
└──────────────────────┘
```