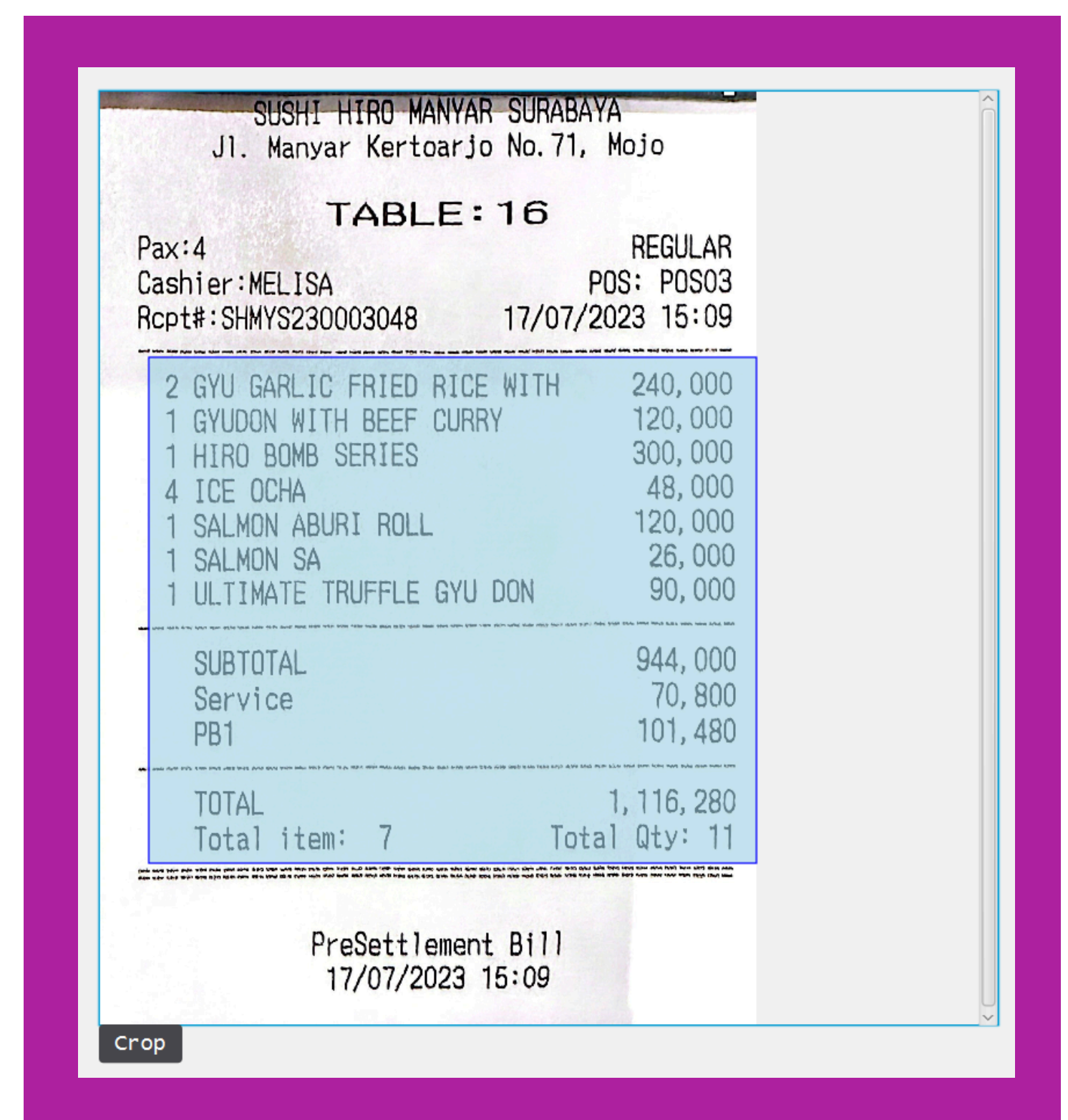# SPLIT BILL APPLICATION

Viona Djunaidy - 2702337602 - L2BC -
Object Oriented Programming

OBJECTIVE

To ease the process of splitting bills. The application allows the users to customize the distribution of the bill and calculates the total amount that each participant needs to pay.

FEATURES

- Uploading bill image
- Cropping bill image
- Enter name of participants
- Automatic item details identification
- User-friendly bill customization
- Automatic shared price amount

METHODOLOGY

- Upload bill: FileChooser class
- Crop bill: Event handlers to determine the bounds of cropped region and SnapshotParameters class to crop the selected region
- Extract text from bill: OCR Tesseract
- Item details identification: Pattern and Matcher class to extract item details.
- Customize bill distribution: CheckBox class and Hashmap to store distribution of items.
- Calculation: Divide the price of each item based on the number of participants assigned to it and sum.