

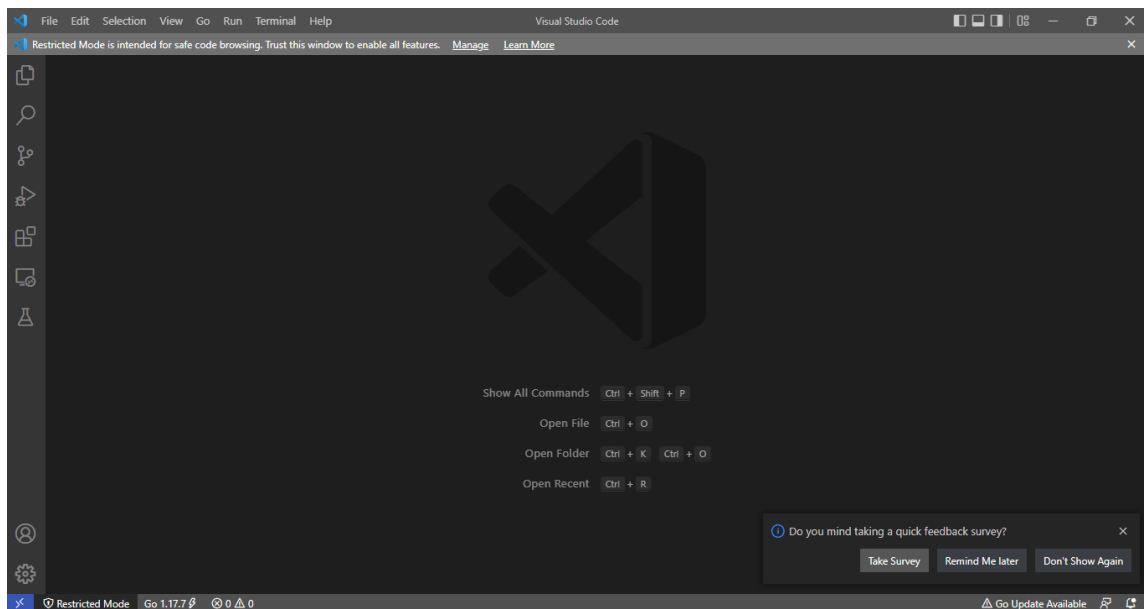
JURNAL 7

1.

- a. Pilih bahasa pemrograman OO untuk implementasi program TUBES. Jelaskan alasan pemilihan Anda.
- b. Download compiler bahasa pemrograman tsb, dan install.

Jawab :

- a. Bahasa Yang digunakan adalah PHP dan Javascript sebagai bahasa pemrograman berorientasi objek. Hal ini karena Tubes yang diimplementasikan berbasis website. Selain itu juga menggunakan laravel dan bootstrap sebagai framework, vscode r sebagai code compiler nya
- b. Vscode



2. Implementasikan setidaknya tiga class dari Class Diagram yang ada di DPPL Anda dengan bahasa pemrograman yang telah Anda install :

- a. Class paling sederhana (paling sedikit atribut & methodnya) -> Akun?
- b. Class yang sedang (jumlah atribut & methodnya "rata-rata") -> Meja?
- c. Class yang paling kompleks (paling banyak atribut & methodnya, atau mengandung kode untuk pengksesan API soal Tugas Pendahuluan, atau yang mengandung aspek "kecerdasan buatan" (jika ada)) -> Order/Resto?

A. Akun

```
<?php
class akun
{
    private $username;
    private $email;
    private $password;

    public function __construct($username, $email, $password)
    {
        $this->username = $username;
        $this->email = $email;
        $this->password = $password;
    }

    public function setUsername($username)
    {
        $this->username = $username;
    }

    public function setEmail($email)
    {
        return $this->email = $email;
    }

    public function setPassword($password)
    {
        return $this->password = $password;
    }

    public function getUsername()
    {
        return $this->username;
    }

    public function getEmail()
```

```

{
    return $this->email;
}

public function getPassword()
{
    return $this->password;
}
}
?>

```

B. Meja

```

<?php
class Meja
{
    private $restoID;
    private $noMeja;
    private $kategori;
    private $status;

    public function __construct($restoID, $noMeja, $kategori, $status)
    {
        $this->RestoID = $RestoID;
        $this->noMeja = $noMeja;
        $this->kategori = $kategori;
        $thia->status = false;
    }

    public function getrestoID()
    {
        return $this->RestoID;
    }

    public function getnoMeja()
    {
        return $this->noMeja;
    }
}

```

```

    }

    public function getKategori()
    {
        return $this->ageKategori;
    }

    public function isStatus()
    {
        return $this->status;
    }

    public function setrestoID($restoID) {
        $this->restoID = $restoID;
    }

    public function setnoMeja($noMeja) {
        $this->noMeja = $noMeja;
    }

    public function setKategori($kategori) {
        $this->kategori = $kategori;
    }

    public function setStatus($status) {
        $this->status = $status
    }

}
?>

```

C. Reservasi

```

<?php
class reservasi
{
    private $NoOrder;
    private $CustID;

```

```
private $NoMeja;
private $RestoID;
private $Payment;
private $Pesanan ;

public function __construct($NoOrder, $CustID, $NoMeja, $RestoID,
$Payment, $Pesanan)
{
    $this->NoOrder = $NoOrder;
    $this->CustID = $CustID;
    $this->NoMeja = $NoMeja;
    $this->RestoID = $RestoID;
    $this->Payment = $Payment;
    $this->Pesanan = $Pesanan;
}

public function setNoOrder($NoOrder)
{
    $this->NoOrder = $NoOrder;
}

public function setCustID($CustID)
{
    return $this->CustID = $CustID;
}

public function setNoMeja($NoMeja)
{
    return $this->NoMeja = $NoMeja;
}

public function setRestoID($RestoID)
{
    return $this->RestoID = $RestoID;
}
```

```
public function setPayment($Payment)
{
    return $this->Payment= $Payment;
}

public function setPesanan($Pesanan)
{
    return $this->Pesanan = $Pesanan;
}

public function getNoOrder()
{
    return $this->NoOrder;
}

public function getCustID()
{
    return $this->CustID;
}

public function getNoMeja()
{
    return $this->NoMeja;
}

public function getRestoID()
{
    return $this->RestoID;
}

public function getPayment()
{
    return $this->Payment;
}
```

```
public function getPesanan()  
{  
    return $this->Pesanan;  
}  
  
public function getHarga()  
{  
    $total;  
    foreach($Pesanan as $p){  
        $total = $total + $p->getHarga;  
    }  
    return $total;  
}  
}  
?>
```