

# PhonePe Vulnerability Report- Sensitive Information Exposure

PhonePe is a UPI based App to provide a cashless and a seamless payment experience.

- Version: 3.0.6 - 3.3.26
- Package name: com.PhonePe.app
- Vulnerabilities found:
  - Exposure of Private Information
  - Authentication Bypass
  - Improper verification of the source

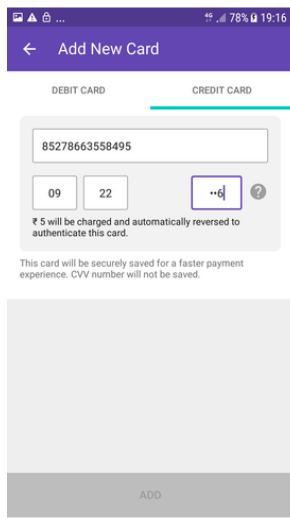
## 1. Exposure of Credit/Debit Card number, Expiration Date, CVV

### Impact Description:

We assume that a malicious app is running on the victim device that has accessibility permissions enabled.

- **Steps to reproduce:**
  - User is adding a new card – this will leak credit /debit card number

### Credit Card #, Exp Date & CVV



```
09-17 19:14:05.819 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 5120008; P
ackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.w
idget.EditText; Text: [85278663558495]; ContentDescription: null; ItemCount: 14; Curr
entItemIndex: -1; IsEnabled: true; IsPassword: false; IsChecked: false; IsFullScreen:
false; Scrollable: false; BeforeText: null; FromIndex: 14; ToIndex: 14; ScrollX: -1;
ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; Parce
lableData: null ]; recordCount: 0
09-17 19:14:32.693 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 5146966; P
ackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.w
idget.EditText; Text: [09]; ContentDescription: null; ItemCount: 2; CurrentItemIndex:
-1; IsEnabled: true; IsPassword: false; IsChecked: false; IsFullScreen: false; Scrol
lable: false; BeforeText: null; FromIndex: 2; ToIndex: 2; ScrollX: -1; ScrollY: -1; M
axScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null
]; recordCount: 0
09-17 19:14:38.888 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 5153161; P
ackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.w
idget.EditText; Text: [22]; ContentDescription: null; ItemCount: 2; CurrentItemIndex:
-1; IsEnabled: true; IsPassword: false; IsChecked: false; IsFullScreen: false; Scrol
lable: false; BeforeText: null; FromIndex: 2; ToIndex: 2; ScrollX: -1; ScrollY: -1; M
axScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null
]; recordCount: 0
09-17 19:15:29.249 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 5203522; P
ackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.w
idget.EditText; Text: [4]; ContentDescription: null; ItemCount: 1; CurrentItemIndex:
-1; IsEnabled: true; IsPassword: true; IsChecked: false; IsFullScreen: false; Scrolla
ble: false; BeforeText: null; FromIndex: 1; ToIndex: 1; ScrollX: -1; ScrollY: -1; Ma
xScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null
]; recordCount: 0
09-17 19:15:31.573 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 5205846; P
ackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.w
idget.EditText; Text: [*5]; ContentDescription: null; ItemCount: 2; CurrentItemIndex:
-1; IsEnabled: true; IsPassword: true; IsChecked: false; IsFullScreen: false; Scrol
lable: false; BeforeText: null; FromIndex: 2; ToIndex: 2; ScrollX: -1; ScrollY: -1; M
axScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null
]; recordCount: 0
09-17 19:16:00.298 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 5234570; P
ackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.w
idget.EditText; Text: [*6]; ContentDescription: null; ItemCount: 3; CurrentItemIndex
: -1; IsEnabled: true; IsPassword: true; IsChecked: false; IsFullScreen: false; Scrol
lable: false; BeforeText: null; FromIndex: 3; ToIndex: 3; ScrollX: -1; ScrollY: -1; M
axScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null
]; recordCount: 0
```

### Debit Card #, Exp Date, CVV (Below

78% 19:13

← Add New Card

DEBIT CARD CREDIT CARD

2354658755

09 22

CVV

₹ 5 will be charged and automatically reversed to authenticate this card.

This card will be securely saved for a faster payment experience. CVV number will not be saved.

ADD

```
09-17 19:08:59.223 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 4813496; PackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.widget.EditText; Text: [2354658755]; ContentDescription: null; ItemCount: 10; CurrentItemIndex: -1; IsEnabled: true; IsPassword: false; IsChecked: false; IsFullScreen: false; Scrollable: false; BeforeText: null; FromIndex: 10; ToIndex: 10; ScrollX: -1; ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null ]; recordCount: 0
09-17 19:09:52.258 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 4866530; PackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.widget.EditText; Text: [09]; ContentDescription: null; ItemCount: 2; CurrentItemIndex: -1; IsEnabled: true; IsPassword: false; IsChecked: false; IsFullScreen: false; Scrollable: false; BeforeText: null; FromIndex: 2; ToIndex: 2; ScrollX: -1; ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null ]; recordCount: 0
09-17 19:09:56.712 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 4870985; PackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.widget.EditText; Text: [22]; ContentDescription: null; ItemCount: 2; CurrentItemIndex: -1; IsEnabled: true; IsPassword: false; IsChecked: false; IsFullScreen: false; Scrollable: false; BeforeText: null; FromIndex: 2; ToIndex: 2; ScrollX: -1; ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null ]; recordCount: 0
09-17 19:12:02.064 EventType: TYPE_VIEW_TEXT_CHANGED; EventTime: 4996336; PackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.widget.EditText; Text: [1*]; ContentDescription: null; ItemCount: -1; CurrentItemIndex: -1; IsEnabled: true; IsPassword: true; IsChecked: false; IsFullScreen: false; Scrollable: false; BeforeText: null; FromIndex: 1; ToIndex: -1; ScrollX: -1; ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: 1; RemovedCount: 0; ParcelableData: null ]; recordCount: 0
09-17 19:12:02.521 EventType: TYPE_VIEW_TEXT_CHANGED; EventTime: 4996793; PackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.widget.EditText; Text: [*2*]; ContentDescription: null; ItemCount: -1; CurrentItemIndex: -1; IsEnabled: true; IsPassword: true; IsChecked: false; IsFullScreen: false; Scrollable: false; BeforeText: null; FromIndex: 2; ToIndex: -1; ScrollX: -1; ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: 1; RemovedCount: 0; ParcelableData: null ]; recordCount: 0
09-17 19:12:02.527 EventType: TYPE_VIEW_TEXT_SELECTION_CHANGED; EventTime: 4996800; PackageName: com.phonepe.app; MovementGranularity: 0; Action: 0 [ ClassName: android.widget.EditText; Text: [*3]; ContentDescription: null; ItemCount: 3; CurrentItemIndex: -1; IsEnabled: true; IsPassword: true; IsChecked: false; IsFullScreen: false; Scrollable: false; BeforeText: null; FromIndex: 3; ToIndex: 3; ScrollX: -1; ScrollY: -1; MaxScrollX: -1; MaxScrollY: -1; AddedCount: -1; RemovedCount: -1; ParcelableData: null ]; recordCount: 0
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