**CK Metrics**

***Package***

* **com.Medwle.project**

# IL instructions: 2 108

# lines of code (LOC): 982

# lines of comment: 201

Percentage Comment: 27.13

# Methods: 33

# Fields: 45

# Types: 7

***CLASS Wise Metrics***

* **ChooseClient Class**

public class **ChooseClient**

# IL instructions: 683

# lines of code (LOC): 120

# lines of comment: 44

Percentage Comment: 26.83

Cyclomatic Complexity (CC): 18

IL Cyclomatic Complexity (ILCC): 23

IL Nesting Depth: 3

# Methods: 10

Size of instance: 358

Depth of inheritance: 5

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 38

Lack of Cohesion Of Methods (LCOM): 0.78

LCOM Henderson-Sellers (LCOMHS): 0.87

* **SignUp\_Patient class**

public class **SignUp\_Patient**

# IL instructions: 530

# lines of code (LOC): 90

# lines of comment: 15

Percentage Comment: 14.29

Cyclomatic Complexity (CC): 20

IL Cyclomatic Complexity (ILCC): 27

IL Nesting Depth: 8

# Methods: 7

Size of instance: 358

Depth of inheritance: 7

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 59

Lack of Cohesion Of Methods (LCOM): 0.71

LCOM Henderson-Sellers (LCOMHS): 0.83

* **SignUp\_Doctor class**

public class **SignUp\_Doctor**

# IL instructions: 530

# lines of code (LOC): 90

# lines of comment: 15

Percentage Comment: 14.29

Cyclomatic Complexity (CC): 20

IL Cyclomatic Complexity (ILCC): 27

IL Nesting Depth: 8

# Methods: 7

Size of instance: 358

Depth of inheritance: 7

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 59

Lack of Cohesion Of Methods (LCOM): 0.71

LCOM Henderson-Sellers (LCOMHS): 0.83

* **SignIn Class**

public class **SignIn**

# IL instructions: 478

# lines of code (LOC): 80

# lines of comment: 35

Percentage Comment: 30.43

Cyclomatic Complexity (CC): 11

IL Cyclomatic Complexity (ILCC): 14

IL Nesting Depth: 3

# Methods: 7

Size of instance: 338

Depth of inheritance: 7

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 49

Lack of Cohesion Of Methods (LCOM): 0.57

LCOM Henderson-Sellers (LCOMHS): 0.67

* **MainPage Class**

public class **MainPage**

# IL instructions: 342

# lines of code (LOC): 62

# lines of comment: 32

Percentage Comment: 34.04

Cyclomatic Complexity (CC): 5

IL Cyclomatic Complexity (ILCC): 6

IL Nesting Depth: 1

# Methods: 3

Size of instance: 334

Depth of inheritance: 7

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 32

Lack of Cohesion Of Methods (LCOM): 0.62

LCOM Henderson-Sellers (LCOMHS): 0.93

* **Appointment class**

public class **Appointment**

# IL instructions: 530

# lines of code (LOC): 90

# lines of comment: 15

Percentage Comment: 14.29

Cyclomatic Complexity (CC): 20

IL Cyclomatic Complexity (ILCC): 27

IL Nesting Depth: 8

# Methods: 7

Size of instance: 358

Depth of inheritance: 7

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 59

Lack of Cohesion Of Methods (LCOM): 0.71

LCOM Henderson-Sellers (LCOMHS): 0.83

* **Prescription Class**

public class **Prescription**

# IL instructions: 530

# lines of code (LOC): 90

# lines of comment: 15

Percentage Comment: 14.29

Cyclomatic Complexity (CC): 20

IL Cyclomatic Complexity (ILCC): 27

IL Nesting Depth: 8

# Methods: 7

Size of instance: 358

Depth of inheritance: 7

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 59

Lack of Cohesion Of Methods (LCOM): 0.71

LCOM Henderson-Sellers (LCOMHS): 0.83

* **Profile class**

public class **Profile**

# IL instructions: 420

# lines of code (LOC): 87

# lines of comment: 17

Percentage Comment: 14.29

Cyclomatic Complexity (CC): 21

IL Cyclomatic Complexity (ILCC): 37

IL Nesting Depth: 8

# Methods: 9

Size of instance: 359

Depth of inheritance: 8

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 59

Lack of Cohesion Of Methods (LCOM): 0.71

LCOM Henderson-Sellers (LCOMHS): 0.83

* **Alerts Class**

public class **Alert**

# IL instructions: 204

# lines of code (LOC): 54

# lines of comment: 11

Percentage Comment: 14.29

Cyclomatic Complexity (CC): 12

IL Cyclomatic Complexity (ILCC): 26

IL Nesting Depth: 2

# Methods: 4

Size of instance: 231

Depth of inheritance: 2

# Children: 0

# interfaces implemented: 0

Association Between Types (ABT): 43

Lack of Cohesion Of Methods (LCOM): 0.71

LCOM Henderson-Sellers (LCOMHS): 0.83

***METHODS Wise Metrics***

* public Void **PatientActivity()**

- class **ChooseClient**

# IL instructions: 110

# lines of code (LOC): 14

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 4

IL Cyclomatic Complexity (ILCC): 6

# Overloads: 1

# Parameters: 0

# Variables: 6

# Methods called: 2

# Methods calling me: 1

Method Rank: 0.78

* public Void **DoctorActivity()**

- class **ChooseClient**

# IL instructions: 98

# lines of code (LOC): 35

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 5

IL Cyclomatic Complexity (ILCC): 4

# Overloads: 1

# Parameters: 0

# Variables: 4

# Methods called: 3

# Methods calling me: 1

Method Rank: 0.68

* public Void **checkPassword()**

- class **SignUppatient**

# IL instructions: 86

# lines of code (LOC): 14

# lines of comment: 1

Percentage Comment: 6.67

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 4

# Overloads: 1

# Parameters: 0

# Variables: 7

Method Level: 4

# Methods called: 7

# Methods calling me: 1

Method Rank: 0.79

* public Void **patientSignUp()**

- class **SignUpPatient**

# IL instructions: 58

# lines of code (LOC): 8

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 5

# Overloads: 1

# Parameters: 2

# Variables: 4

Method Level: 2

# Methods called: 6

# Methods calling me: 1

Method Rank: 0.29

* public Void **doctorSignUp()**

- class **SignUpDoctor**

# IL instructions: 85

# lines of code (LOC): 8

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 5

# Overloads: 2

# Parameters: 4

# Variables: 6

Method Level: 2

# Methods called: 6

# Methods calling me: 1

Method Rank: 0.29

* public String **getDoctors()**

- class **SignUpDoctor**

# IL instructions: 102

# lines of code (LOC): 16

# lines of comment: 2

Percentage Comment: 6.87

Cyclomatic Complexity (CC): 2

IL Cyclomatic Complexity (ILCC): 3

# Overloads: 1

# Parameters: 0

# Variables: 5

Method Level: 2

# Methods called: 4

# Methods calling me: 1

Method Rank: 0.99

* public Void **bookAppointment()**

- class **MainPage**

# IL instructions: 85

# lines of code (LOC): 8

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 5

# Overloads: 2

# Parameters: 4

# Variables: 6

Method Level: 2

# Methods called: 6

# Methods calling me: 1

Method Rank: 0.29

* public Void **cancelAppointment()**

- class **MainPage**

# IL instructions: 130

# lines of code (LOC): 9

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 5

IL Cyclomatic Complexity (ILCC): 6

# Overloads: 1

# Parameters: 1

# Variables: 9

Method Level: 1

# Methods called: 2

# Methods calling me: 0

Method Rank: 0.76

* public Void **createPrescription()**

- class **MainPage**

# IL instructions: 56

# lines of code (LOC): 60

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 4

IL Cyclomatic Complexity (ILCC): 7

# Overloads: 2

# Parameters: 4

# Variables: 7

Method Level: 2

# Methods called: 9

# Methods calling me: 2

Method Rank: 0.87

* public Void **editPrescription()**

- class **MainPage**

# IL instructions: 120

# lines of code (LOC): 56

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 4

IL Cyclomatic Complexity (ILCC): 6

# Overloads: 2

# Parameters: 2

# Variables: 8

Method Level: 1

# Methods called: 2

# Methods calling me: 2

Method Rank: 0.53

* public boolean **checkSignIn()**

- class **SignIn**

# IL instructions: 86

# lines of code (LOC): 14

# lines of comment: 1

Percentage Comment: 6.67

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 4

# Overloads: 1

# Parameters: 0

# Variables: 7

Method Level: 4

# Methods called: 7

# Methods calling me: 1

Method Rank: 0.79

* public String **getPicture()**

- class **Profile**

# IL instructions: 42

# lines of code (LOC): 59

# lines of comment: 4

Percentage Comment: 17.67

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 4

# Overloads: 0

# Parameters: 1

# Variables: 5

Method Level: 3

# Methods called: 2

# Methods calling me: 2

Method Rank: 0.80

* public String **saveProfile()**

- class **Profile**

# IL instructions: 97

# lines of code (LOC): 66

# lines of comment: 4

Percentage Comment: 4.67

Cyclomatic Complexity (CC): 4

IL Cyclomatic Complexity (ILCC): 5

# Overloads: 0

# Parameters: 2

# Variables: 9

Method Level: 3

# Methods called: 6

# Methods calling me: 2

Method Rank: 0.65

* public String **editProfile()**

- class **Profile**

# IL instructions: 72

# lines of code (LOC): 44

# lines of comment: 9

Percentage Comment: 8.67

Cyclomatic Complexity (CC): 4

IL Cyclomatic Complexity (ILCC): 5

# Overloads: 2

# Parameters: 1

# Variables: 8

Method Level: 2

# Methods called: 5

# Methods calling me: 2

Method Rank: 0.45

* public String **getDate()**

- class **Appointment**

# IL instructions: 86

# lines of code (LOC): 35

# lines of comment: 1

Percentage Comment: 6.67

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 4

# Overloads: 1

# Parameters: 0

# Variables: 7

Method Level: 4

# Methods called: 7

# Methods calling me: 1

Method Rank: 0.79

* public String **getTime()**

- class **Appointment**

# IL instructions: 67

# lines of code (LOC): 40

# lines of comment: 2

Percentage Comment: 6.67

Cyclomatic Complexity (CC): 2

IL Cyclomatic Complexity (ILCC): 3

# Overloads: 1

# Parameters: 0

# Variables: 4

Method Level: 2

# Methods called: 1

# Methods calling me: 3

Method Rank: 0.99

* public String **bookAppointment()**

- class **Appointment**

# IL instructions: 210

# lines of code (LOC): 150

# lines of comment: 20

Percentage Comment: 15.67

Cyclomatic Complexity (CC): 4

IL Cyclomatic Complexity (ILCC): 5

# Overloads: 2

# Parameters: 0

# Variables: 7

Method Level: 4

# Methods called: 7

# Methods calling me: 1

Method Rank: 0.79

* public Void **logout()**

- class **MainPage**

# IL instructions: 35

# lines of code (LOC): 30

# lines of comment: 0

Percentage Comment: 0%

Cyclomatic Complexity (CC): 3

IL Cyclomatic Complexity (ILCC): 4

# Overloads: 1

# Parameters: 2

# Variables: 6

Method Level: 2

# Methods called: 6

# Methods calling me: 1

Method Rank: 0.29