

11.2.2.1

Registration Control Flow

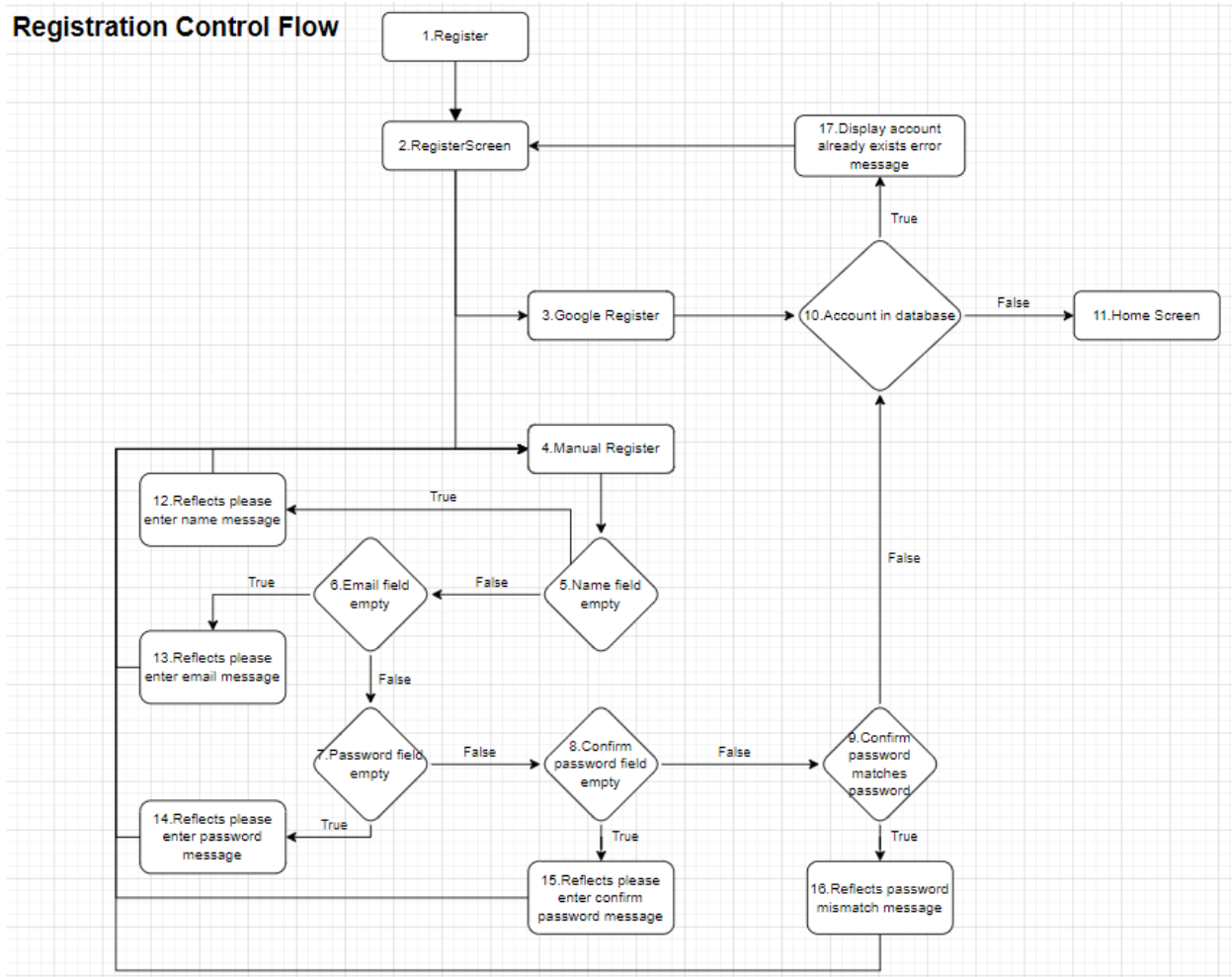


Figure 11: Control Flow Graph for Registration

11.2.2.2 Basis Path

- {1,2,3,10,11}
- {1,2,4,5,6,7,8,9,10,11}
- {1,2,3,10,17,2}
- {1,2,4,5,12,4}
- {1,2,4,5,6,13,4}
- {1,2,4,5,6,7,14,4}
- {1,2,4,5,6,7,8,15,4}
- {1,2,4,5,6,7,8,9,16,4}
- {1,2,4,5,6,7,8,9,10,17,2}

11.2.2.3 Test Cases

Test Case (a):

The successful registration attempt with a google account. This occurs when the user tries to register a google account that is not in our database

Test Case (b):

The successful registration attempt with manual registration. This occurs when all fields are filled up, password and confirm password matches and account has not been created before and is not in our database

Test Case (c):

The failed registration attempt with google account. This occurs when the user tries to register a google account that has been used before and is in our database.

Test Case (d):

The failed registration attempt with manual registration. This occurs when the username field is left empty

Test Case (e):

The failed registration attempt with manual registration. This occurs when the email field is left empty

Test Case (f):

The failed registration attempt with manual registration. This occurs when the password field is left empty

Test Case (g):

The failed registration attempt with manual registration. This occurs when the confirm password field is left empty

Test Case (h):

The failed registration attempt with manual registration. This occurs when the confirm password and password field entries mismatch

Test Case (i):

The failed registration attempt with manual registration. This occurs when the account details used for registration have been used and created before.