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Planning 2h, 0.5h
                                         1. Conduct kickoff meeting 1h, 0h
                                                             1.1. Review team roles
                                                             1.2. Discuss plans
                                                             1.3. Review meeting
                                         2. Concept exploration 0.5h, 0h
                                                           2.1. Create proposal
                                                           2.2. Identify needs
                                         3. Project scheduling 0h, 0h
                                                         3.1. Tasks allocation
                                         4. Plan organize 0.5h, 0h
                                         5. Define SW running environment 0h, 0h
Requirements Analysis 3h, 1.5h
                     1. Review assignment outline 0h, 0.5h
                     2. User meeting 1h, 0h
                                   2.1. Prepare questions
                                   2.2. Conduct meeting
                                   2.3. Review meeting
                    3. Analyze functions 0.5h, 0.5h
                    4. Define and develop preliminary SW requirements 1h, 0h
                                                   4.1. Create draft SW requirements
                                                   4.2. Update draft SW requirements
                                                   4.3. Review final SW requirements
                    5. Define scope statement 0.5h, 0.5h
Design 5.5h, 3.5h
            1. Process status meeting 1h, 0.5h
                                1.1. Staff allocation
                               1.2. Scheduling
            2. Identify scenario 0.5h, 1h
                             2.1. Choose a topic
                             2.2. Choose a role
                             2.3. Design conversations
            3. Choose a language for coding 0h, 0h
                                   3.1. Choose a language for interfaces
                                   3.2. Choose a language for database
                                                                                     Interactive Conversational Agent
            4. Database design 1h, 0h
                             4.1. Design preliminar
                            4.2. Create a diagram
            5. Algorithm design 0.5h, 0.5h
                              5.1. Design pattern matching algorithms
                              5. 2. Choose data structures
            6. Interfaces design 0.5h, 0.5h
            7. Software prototyping 2h, 1h
         Development and Coding 12h, 6h
                               1. Develop a database 4h, 0h
                                                1.1. Add output sentences
                                                1.2. Classify output sentences
                               2. Develop algorithms 2h,2h
                               3. Develop a user interface 4h, 3.5
                                                  3.1. Code front-end screens
                                                  3. 2. Add comments
                                                  3. 3. Integrate with database
                                                  3.4. Algorithms implementation
                               4. Debugging 1h, 0.5h
                      Testing 3h, 2h
                                 1. Install the SW 0h, 0h
                                 2. Create test code 1h, 1h
                                 3. Software testing 0.5, 0.5
                                                 3. 1. Unit testing
                                                 3.2. Coverage testing
                                 4. Integration testing 1h, 0.5
                                                  4.1. Create test cases
                                                  4. 2. Collect test results
                                 5. Performance testing 0.5h, 0h
                                        Deployment 1h, 0.5h
                                                       1. Deployed SW 0h, 0h
                                                       2. Upload SW to repository 0h, 0h
                                                       3. Create README file 0.5h, 0.5h
                                                                          3.1. Explain the project
                                                                          3.2. Describe classes
                                                       4. Retrieve outputs 0.5h, 0h
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