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|  | Главная страница - AITU | **Outline Proposal Form**  for Design Patterns Courses’ Project Work | |
| **Software Design Patterns Courses’ Project Work Review** **October  2023** | | |  |
| Student | | Yeltore Zhaksymurat (in group with Sanzhar, Magzhan) |  |
| Group | | SE-2212 |  |
| Course Instructor | | Mr. Nurtas N.K. |  |
| **Topic of The Project:**  The Topic: “*Multi functional telegram bot”*  Working Name: *“Upsdaisy”* | | |  |
| **Description:**  Introducing our cutting-edge Telegram bot Upsdaisy, a multifunctional digital assistant designed to simplify your online experience. This versatile bot boasts a host of features that make it an indispensable tool for your daily life.  First and foremost, our bot enables you to effortlessly download videos from various sources using just a simple link. It employs a streamlined and intuitive design pattern, making video downloading a breeze. Additionally, it can extract and save the audio from these videos, providing you with the freedom to enjoy your favorite content in a format that suits you best.  But that's not all! Our bot also incorporates a powerful to-do list feature, utilizing another smart design pattern to help you stay organized and on top of your tasks. You can create, manage, and prioritize your to-dos, ensuring you never miss an important deadline or forget a crucial task.  The best part is that this is just the beginning. Our bot is constantly evolving and will be updated with even more features in the future, ensuring that it remains an indispensable tool for you. With its forward-thinking approach and adaptability, our Telegram bot is set to revolutionize the way you interact with the digital world.  Coding Language: Golang, Python.  Interface: Telegram  Pattern: Strategy, Observer, Decorator, Singleton, Command, Memento, Error handling  **Expected Result:**   * Different Object Classes are created * Project is clearly working * At least 6 design patterns were added * Integration to telegram * Union of 3 different parts of our group work into one bot | | |  |
| **ER Diagram** | | |  |
| **Progress (Completed)**  **Write you complete task in now (eltore part)**   * Created working to do list manager programm on python, (soon gonna be implemented as microservise to the telegram bot) * Works on console * Impemented Singleton pattern * Implemented Observer pattern * Implemented Command patter * Has 5 differenet commands like add/complete/delete/list/quit * (Going to be integraited to the overall telegram bot nearby) * (Going to add few icons for user friendly interface) | | |  |
| **Code/Screen your project** | | |  |