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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 | | Magzhan Zhumabaev (leader), Yeltore Zhaksymurat , Sanzhar Myrzash, |  |
| 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, Adapter  **Expected Result:**   * Different Object Classes are created Done * Project is clearly working Done * At least 6 design patterns were added Done * Integration to telegram Done * Union of 3 different parts of our group work into one bot Done | | |  |
| **ER Diagram** | | |  |
| **Progress (Completed)**  **Write you complete task in now**   * Created working to do list manager programm and translator on python, integrated into telegram bot Done * Created working music and video downloader via link. Done * Created telegram bot Done * Works on console Done * Impemented Singleton pattern Done * Implemented Observer pattern Done * Implemented Command patter Done * Implemented Strategy pattern Done * Implemented Decorator pattern Done * Implemented Memento pattern Done * Implemented Error handling pattern Done * Has 5 differenet commands like add/complete/delete/list/quit Done * Implemented translator code which translates phrase to rus eng japan french and spanish Done * Connected into one with usage of microservices Done * Implemented pattern Adapter Done | | |  |
| **Code/Screen your project** | | |  |

