



Hamza Zarah & Albert Jasari

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Operating Systems

Introducing UniShell - A Custom Linux Shell for Enhanced Student Productivity



	Breakdown
1	Motivation and Importance
2	What is a
3	Key Functionalities - Part 1 - 3
4	Benefits of UniShell
5	Development Timeline
6	Conclusion
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Why UniShell?



- Need for productivity tools for students
- Enhance time management and focus
- Intergrated environment for better workflow

Linux Shell - An Overview



- **Text interface** for computer interaction
- Kown as shell, command line, terminal, console
- Executes programs and system commands

Introducing UniShell

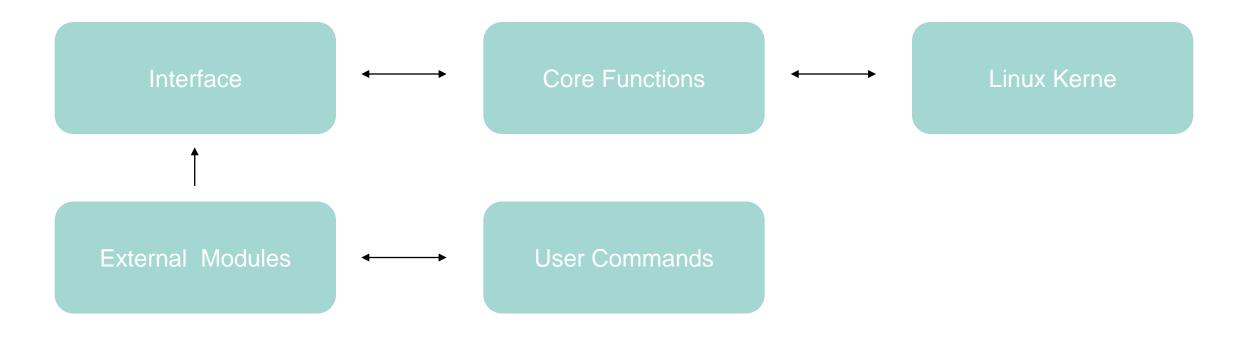


- Custom Linux Shell for students
- Goal: Improve productivity
- Developed using **C** programming language

UniShell Architecture



- Interface (Command line I/O)
- Core functionality (Built-in commands)
- External modules (Pomodoro, reminders)



Key Functionalities



- Change current directory (cd)
- Helper function (help)
- Exit shell (exit)
- Welcome message at startup
- Start learning journey (learn)
- **Pomodoro timer** (pomodoro)
- Interface switching (switch-interface)
- Water drinking reminder (water-reminder)
- Movement reminder (movement-reminder)

Development Timeline



- Milestone 1: Core functionality
- Milestone 2: External modules
- Milestone 3: Testing and debugging
- Milestone 4: Finalizing and deployment

In Conclusion



- Custom Linux Shell for students
- Potential impact on productivity
- Exciting future development opportunities

Questions & Answers



We welcome any questions you may have about UniShell.