P2POCKET

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P2POCKET

- P2P STORAGE SHARING WITH MUTUAL INVOLVEMENT

STORAGE SOLUTIONS









MOTIVATION









costfree storage alternative

private data storage

mutual sharing of storage

optimized utilization of network storage resources

p2p network and Kademlia

LITERATURE REVIEW

RELATED WORK

BitTorrent

Filecoin

Napster

IPFS

RELATED THEORY

Kademlia (Distributed Hash Table)

Bootstrapping

Holepunching

File Hashing and Encryption

PROPOSED METHODOLOGY

FEASIBILITY STUDY

Technical Feasibility

Network Protocols

Time Feasibility

Two-month time frame

Economic Feasibility

No financial outlay

REQUIREMENT ANALYSIS

Functional Requirement

- File Upload
- FIle Retrieval
- File Monitoring
- Network Filesystem

Non-functional Requirement

- File Encryption and Security
- Cross Platform
- Respoinsive UI
- Scalability

PROPOSED EXPERIMENTAL SETUP

Bootstrapping Server

Simplifies joining process for newcoming node

P2P Network Testing

- Kathara
- Mininet
- Skydive
- Practical testing with friends' devices

EXPECTED OUTCOME

costfree storage solution

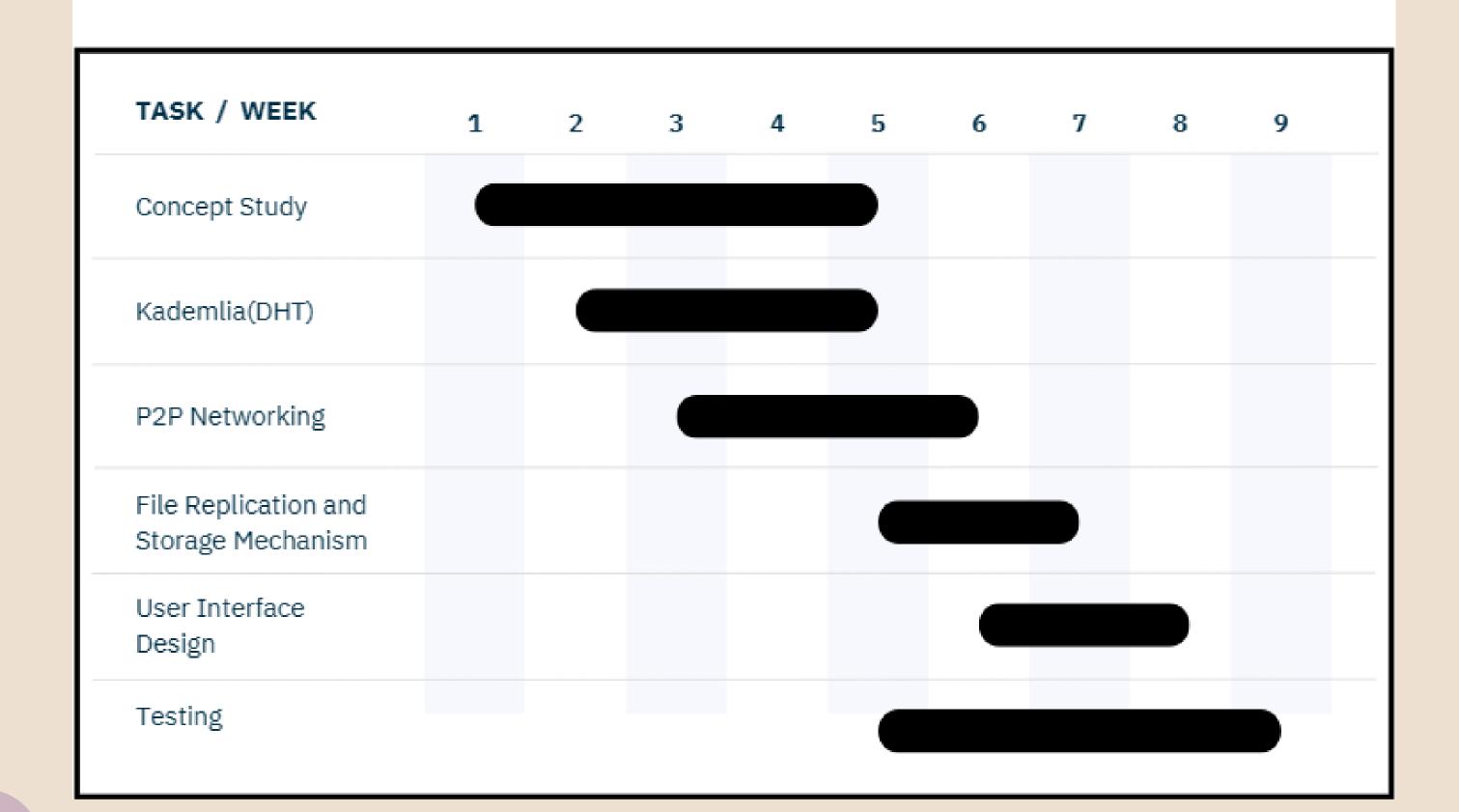
cross platform system

p2p storage sharing platform

user-friendly interface

P2Pocket

GANTT CHART



THANK YOU

WE ARE OPEN TO YOUR QUERIES.