

P536: ADVANCED OPERATING SYSTEMS

ASSIGNMENT 4: REPORT

TEAM: ROHIT PATIL, SAMEEKSHA VAITY

TASKS OF THE GROUP MEMBERS:

Task	Implemented By
Create future.h header file	Sameeksha Vaity
Create future_alloc.c system call	Rohit Patil
Create future_free.c system call	Sameeksha Vaity
Create future_get.c system call	Rohit Patil
Create future_set.c system call	Sameeksha Vaity
Modify xsh_prodcons.c file to execute futures on the input 'prodcons -f'	Rohit Patil/ Sameeksha Vaity
Create future_prod.c file (Producer Function)	Sameeksha Vaity/ Rohit Patil
Create future_cons.c file (Consumer Function)	Sameeksha Vaity / Rohit Patil

NOTE: As suggested we have used the busy waiting approach to implement futures in this assignment. However, we have also implemented the futures concept by using system calls suspend () inside future_get () call and resume () inside future_set () call.