

The image features a stylized landscape illustration. The top portion shows a dark blue night sky with small white stars and soft, light green hills. The bottom portion shows a more detailed scene with dark blue mountains, green rolling hills, a blue lake with a small boat, and a cluster of colorful buildings on a peninsula. The overall style is flat and geometric.

# 4. Pattern va freymvorklar

# Patternlar

- Namunaviy yagona birlikda vazifani bajaradi va o'z aro birikish orqali ish jarayonini tashkil qilish bilan yagano ish funksiyasini tashkil qiladi.

# Patternlar klassifikatsiyasi

- *Konseptual pattern*
- *Loyihalash patternlari*
- *Dasturiy patternlar*

# *Konseptual pattern*

- AT larining yirik malumot almashish qisimlarida qo'llaniluvchi yaxlit tizim-osti namunasi*



# Loyihalash patternlari

- Sinf, modul, ob'ektlarni axborot tizimlarida yaratish uchun qo'llaniladigan patternlar tushuniladi.

# Dasturiy patternlar

- Dasturiy patternlar nisbatan soddagina tuzilishdagi ma'lumotlarni jadval yoki shajara(ierarxiya) ko'rinishida aks ettirish bilan shug'illanuvchi namunalardir...

# Tizim nuqtai nazardan klassifikatsiyalash

- Arxitektura patternlari (architectural patterns)
- Tizim patternlari (System patterns)

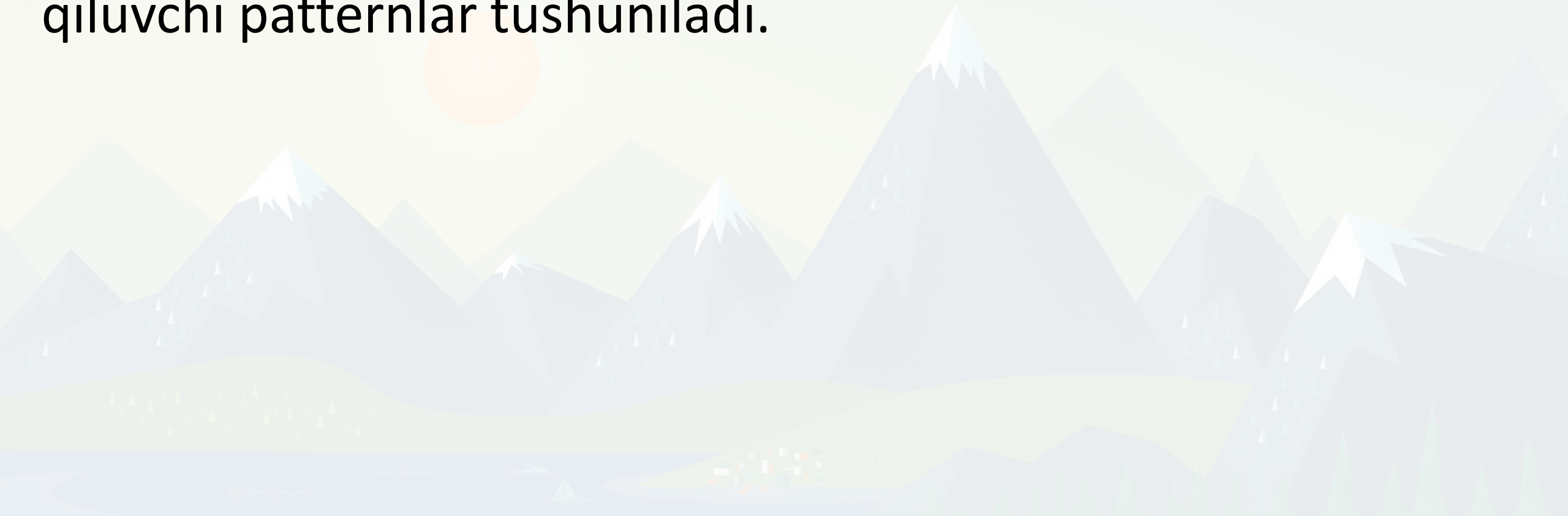
# Arxitektura patternlari (architectural patterns)

- Tizimosti elementlarning komponovkasini amalga oshirish uchun qo'llaniladi, bundan tashqari tizim-osti strukturaning tuzilishini izohlaydi.



# Tizim patternlari (System patterns)

- Yuqori bosqichda tizimning aloqasi va strukturasi tashkil qiluvchi patternlar tushuniladi.

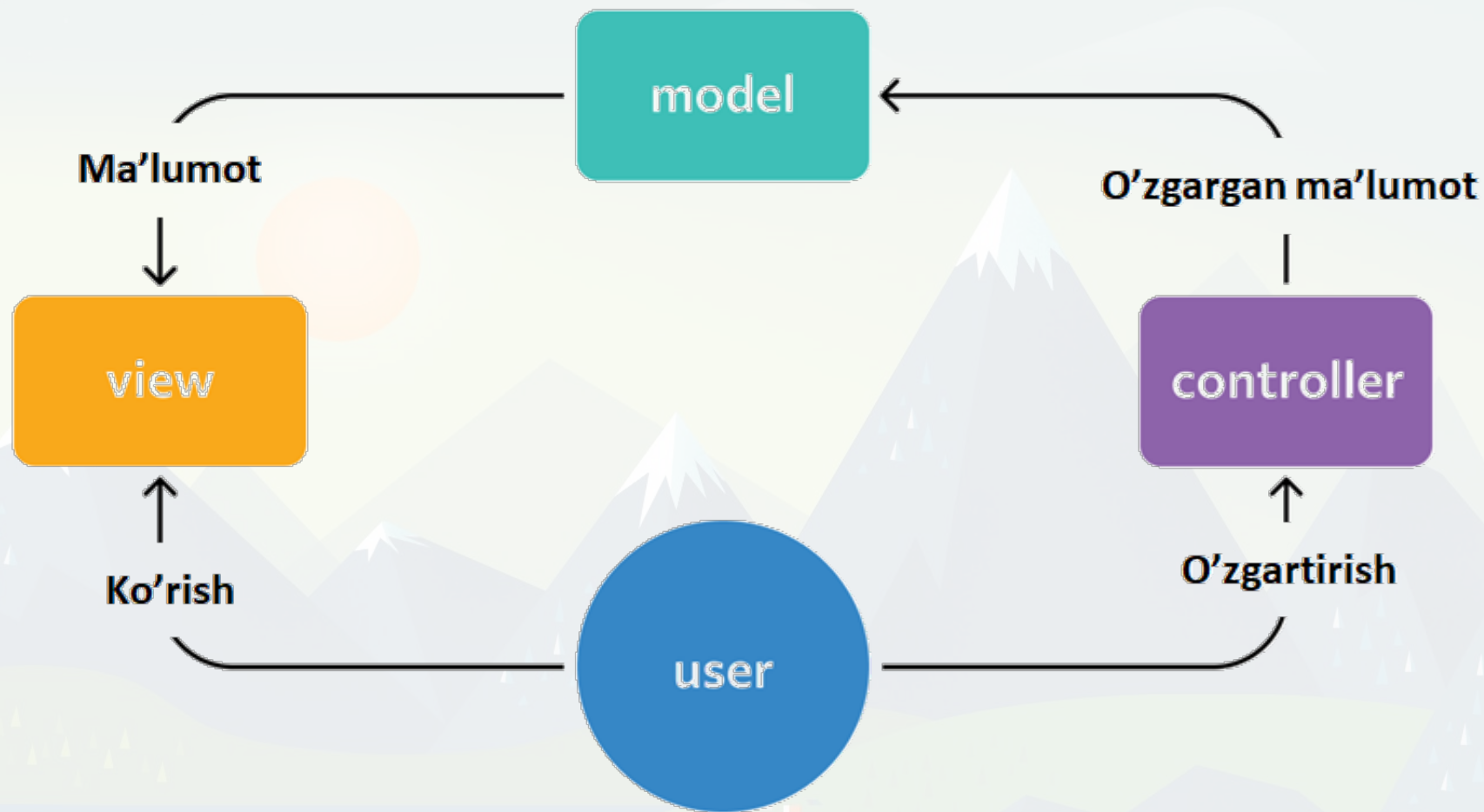


PATTERNLARNINT TURI	QO'LLANILISHI
(MVC) Model-View-Controller	Komponentlar yoki tizim osti qisimlarini 3 turdagi mantiqiy qisimlarga ajratish (model,yaxlitlash,kontroller)
Session , Worker thread	Taqsimlash tizimlarida serverga murojat qiluvchilarni aniqlash uchun qo'llaniladi.
Callback	Murojat qiluvchini ro'yxatga olish imkonini beradi.

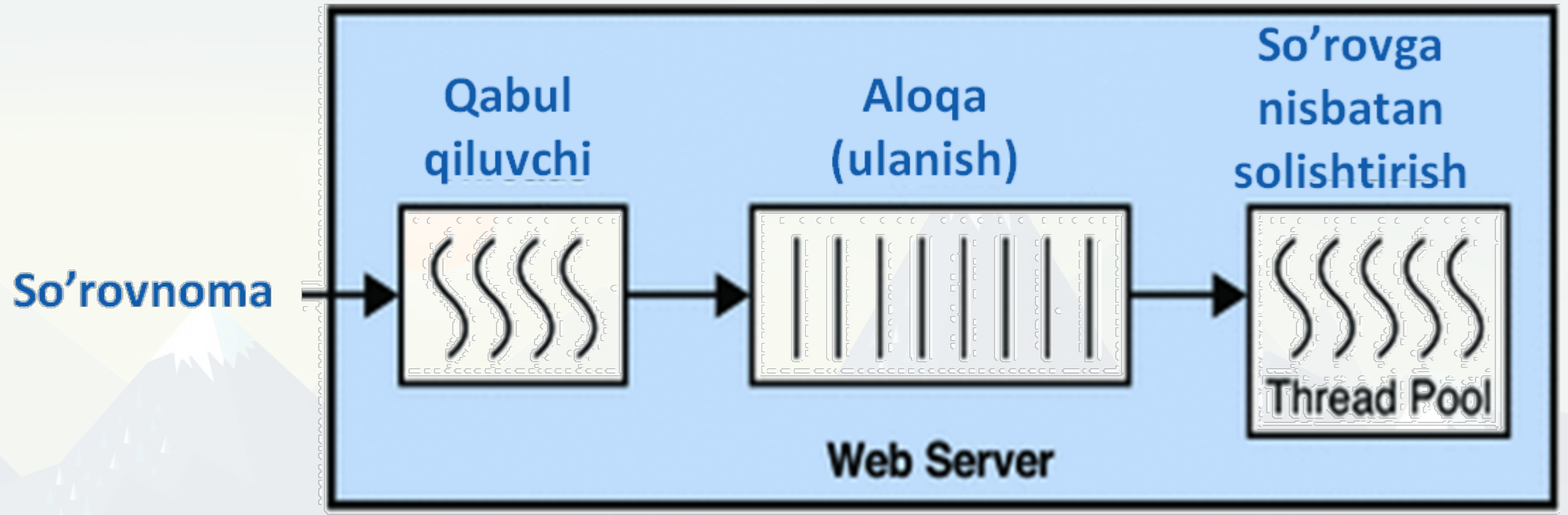
PATTERNLARNINT TURI	QO'LLANILISHI
Successive Update	Serverdan domiy yangilanish olish uchun pattern
Router	Qabul qiluvchidan qo'shimcha ma'lumot olish
Transaction	Vazifalarni bajarishda guruhlashni



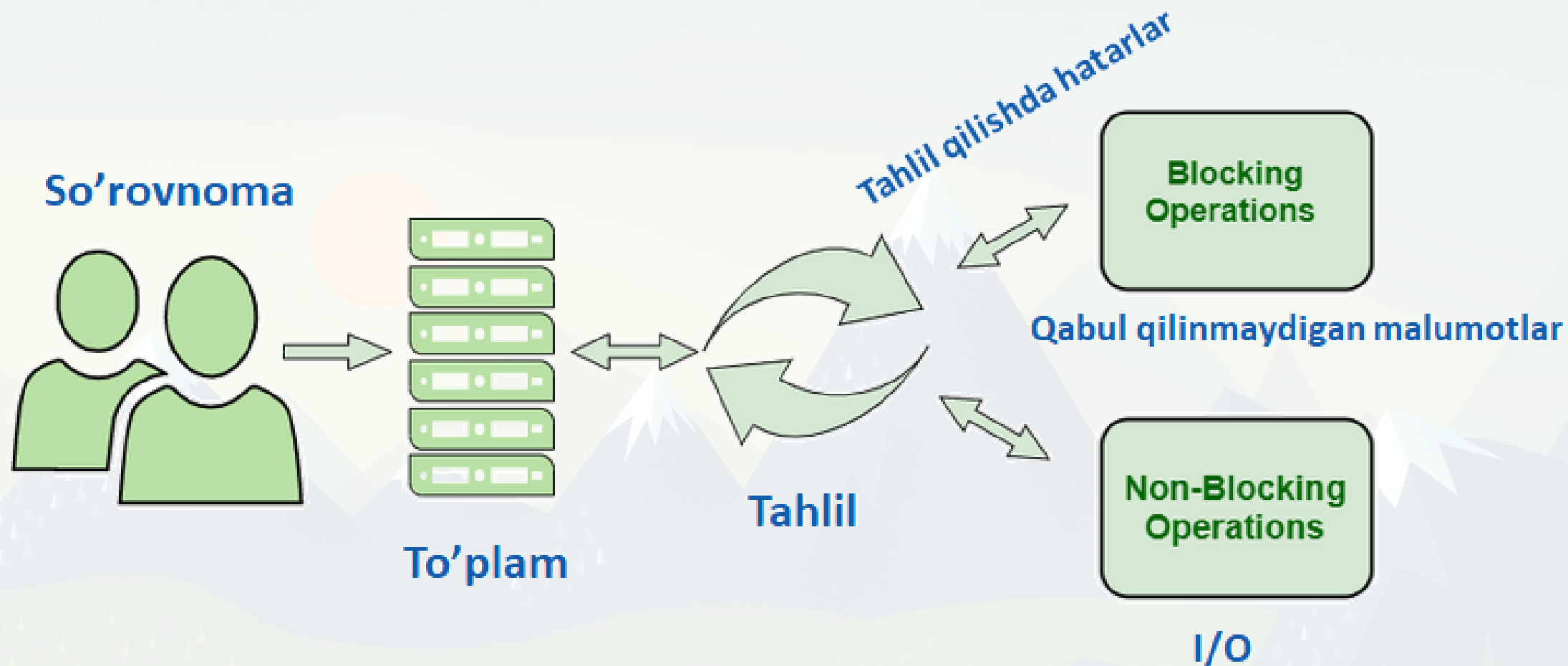
# Model-View-Controller



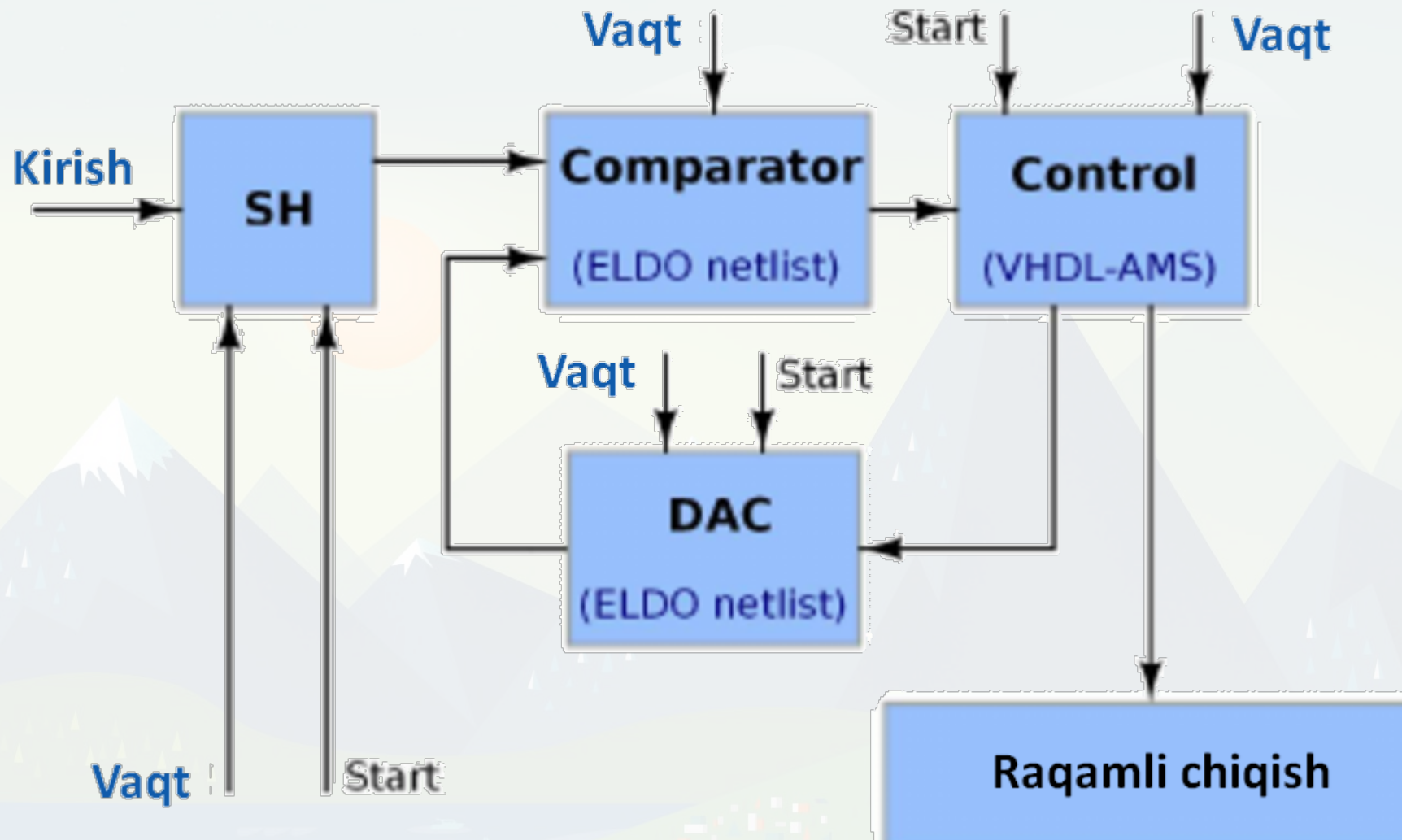
# Session , Worker thread



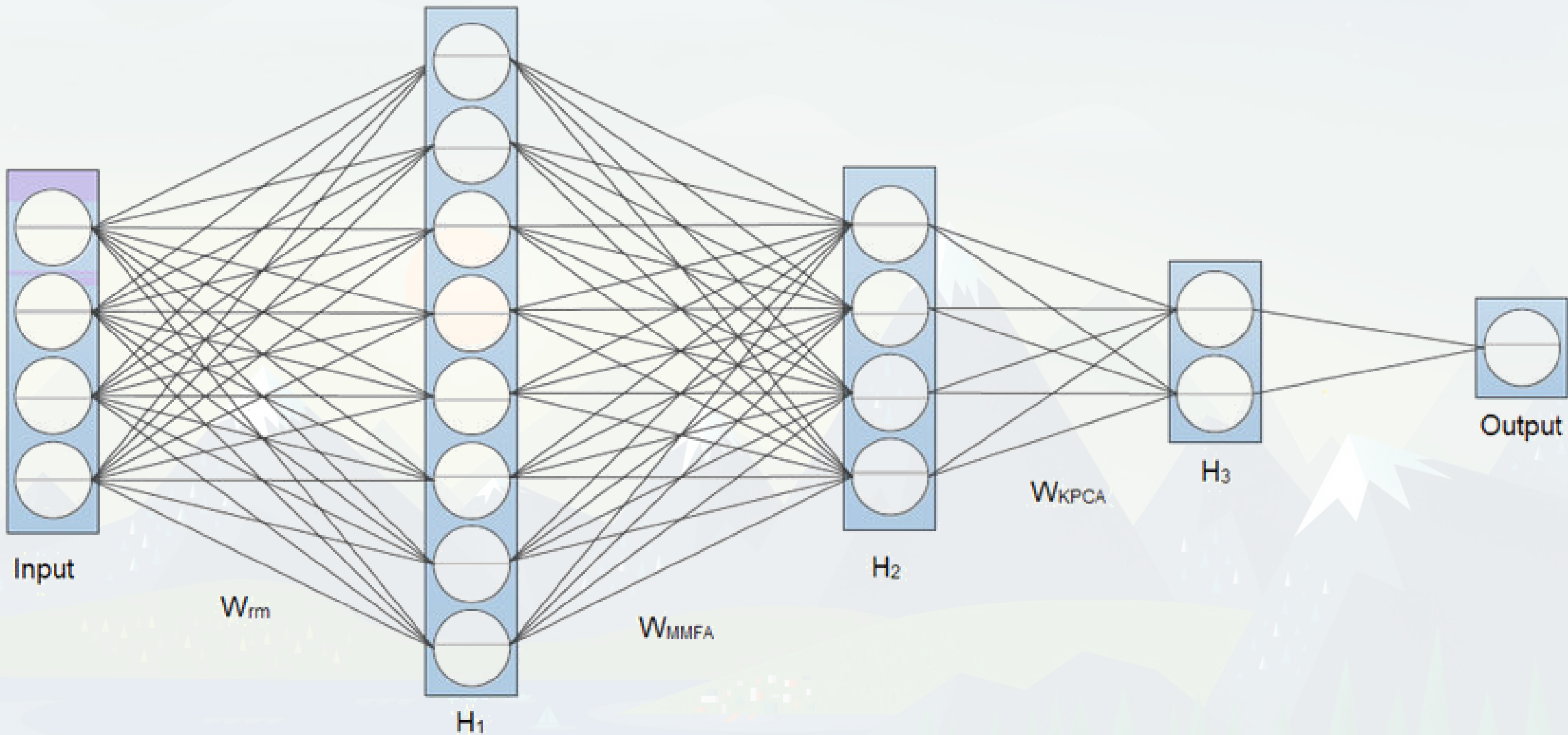
# Callback



# Successive Update



# Router





# Transaction

