AN INTRODUCTION TO CQKS AND EVENT SOURCING-

WHT THIS TALK?

WHAT ARE WE COVERING?

THE ENCOUNTER

EVENT SOURCING

ADMIT PATIENT()

TRANSFERPATIENT()

TRANSFERPATIENT()

DISCHARGE (ATIENT()

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: 10 IsAdmitted: true

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: 76

IsAdmitted: true

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: 34

IsAdmitted: true

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: null

IsAdmitted: false

ADMIT PATIENT()

TRANSFERPATIENT()

TRANSFERPATIENT()

DISCHARGE PATIENT()

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: 10 IsAdmitted: true

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward. 76 IsAdmitted: true

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: 34 IsAdmitted: true

Patient

Id: 04e3b534-8a40-4180-a7ed-d5afaa45a858

Name: Tony Ferguson

Age: 32 Ward: null IsAdmitted: false

PatientAdmitted

Id: 04e3b534-8a40-41...
Name: Tony Ferguson

Age: 32 **Ward:** 10

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 76

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 34

PatientDischarged

PATIENT ADMITTED PATIENT
TRANSFERRED

PATIENT TRANSFERRED PATIENT DISCHARGED

PATIENTS

110	NAME	AGE	WAKD	IS ADMITTED
04e3b534-8a40	Tony Ferguson	32	NULL	false

PATIENTS AUDIT

			2.4	
04e3b534-8a40	Tony Ferguson	32	34	true
04e3b534-8a40	Tony Ferguson	32	76	true
04e3b534-8a40	Tony Ferguson	32	10	true

ADMITPATIENT()

PATIENT ADMITTED

TRANSFERPATIENT()

PATIENT ADMITTED PATIENT TRANSFERRED

TRANSFERPATIENT()

PATIENT ADMITTED PATIENT TRANSFERRED PATIENT

DISCHARGEPATIENT()

PATIENT ADMITTED

PATIENT TRANSFERRED PATIENT TRANSFERRED PATIENT DISCHARGED CQRS

Id: 04e3b534-8a40-41...
Name: Tony Ferguson

Age: 32 **Ward:** 10

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 76

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 34

PatientDischarged

Id: 04e3b534-8a40-41...
Name: Tony Ferguson

Age: 32 **Ward:** 10

PatientTransferred

Id: 04e3b534-8a40-41...

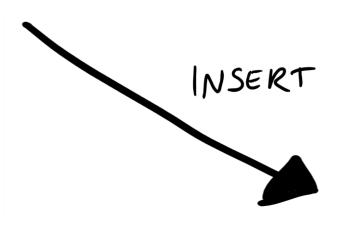
ToWard: 76

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 34

PatientDischarged



NAME	ACE	WAKD
Tony Ferguson	32	34

Id: 04e3b534-8a40-41...
Name: Tony Ferguson

Age: 32 **Ward:** 10

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 76

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 34

PatientDischarged



10	NAME	ACE	WAKD
04e3b534-8a40	Tony Ferguson	32	76

Id: 04e3b534-8a40-41...
Name: Tony Ferguson

Age: 32 **Ward:** 10

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 76

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 34



10	NAME	ACE	WAKD
04e3b534-8a40	Tony Ferguson	32	34

PatientDischarged

Id: 04e3b534-8a40-41...
Name: Tony Ferguson

Age: 32 **Ward:** 10

PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 76

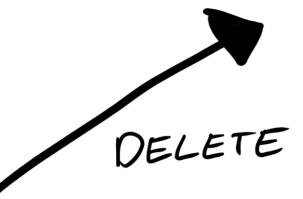
PatientTransferred

Id: 04e3b534-8a40-41...

ToWard: 34

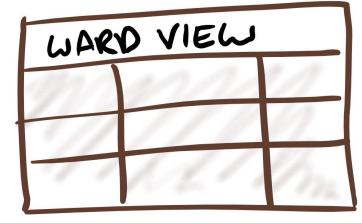
PatientDischarged

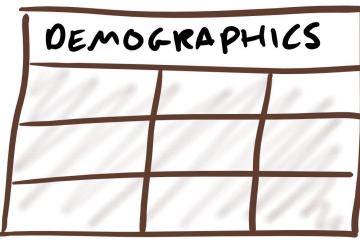
10	NAME	ACE	WAKD
		_	

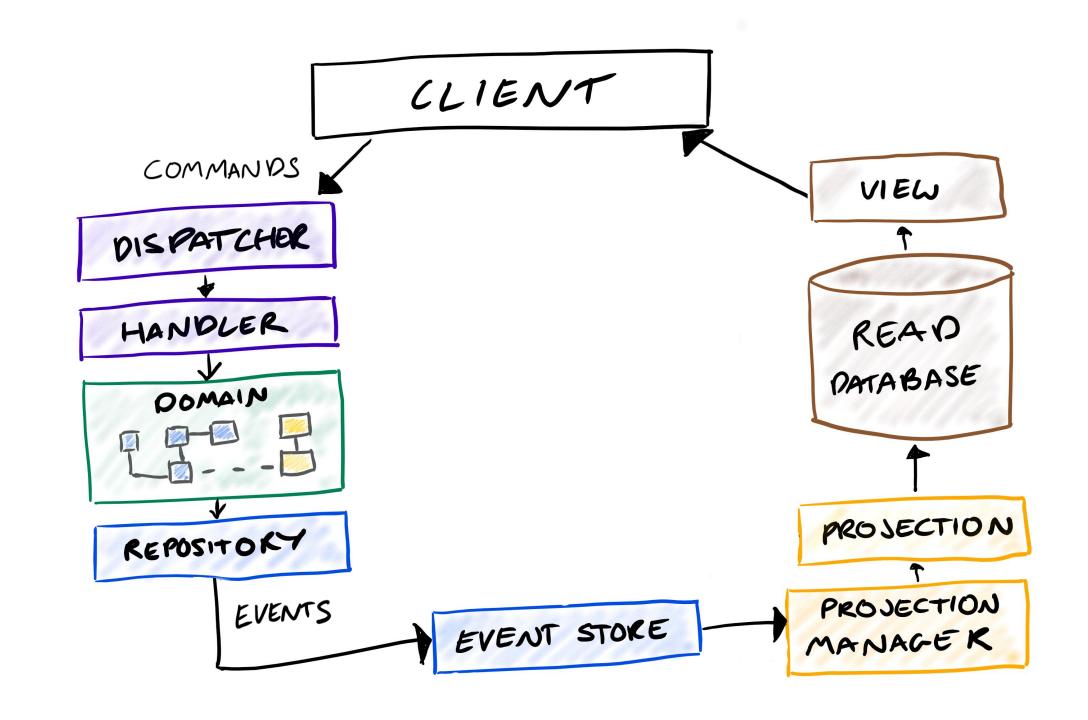


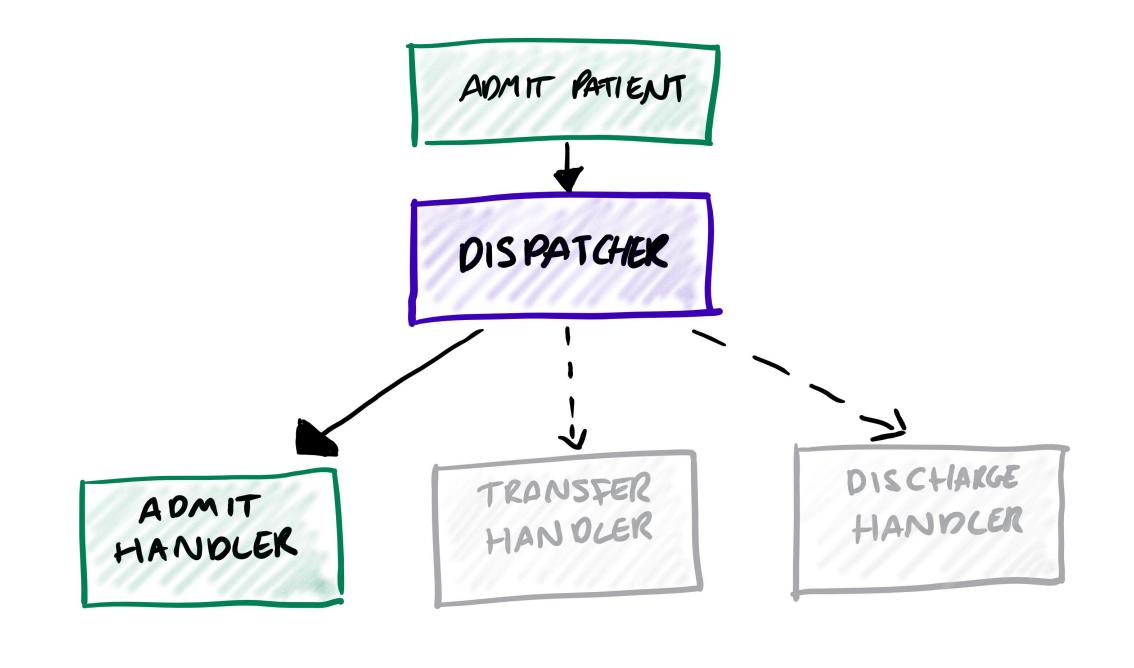
PATIENT

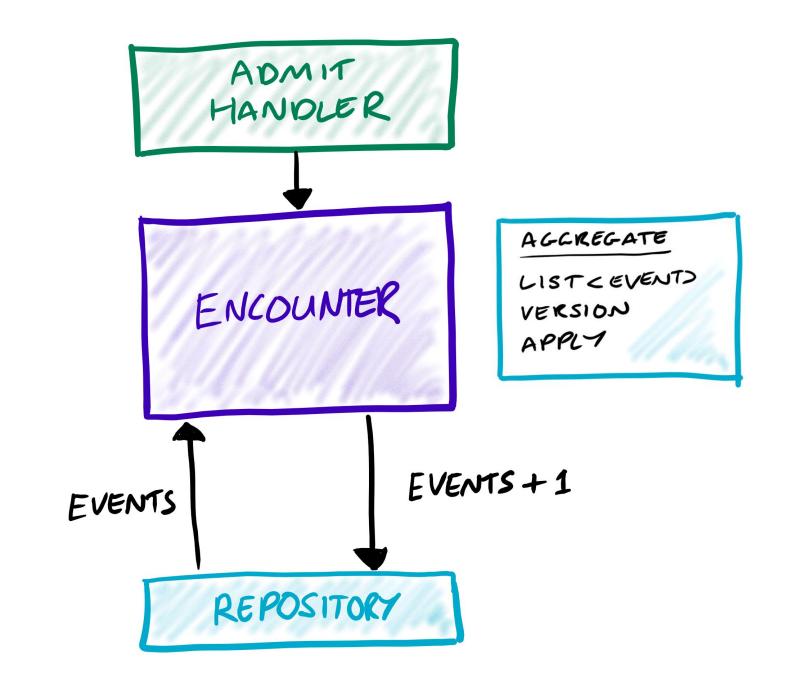


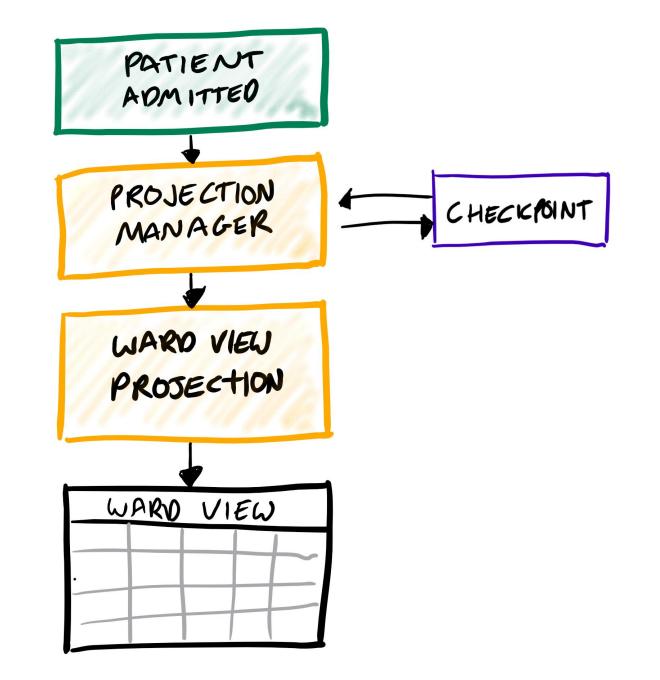












EVENTUAL
CONSISTENCY

DEMO

SO WHEN SHOULD

I USE IT?

LINKS

- DDD-ES-CQRS Google Group https://groups.google.com/forum/#!forum/dddcqrs
- DDD-ES-CQRS Slack Channel http://ddd-cqrs-es.herokuapp.com/
- Greg Young, Event Sourcing https://www.youtube.com/watch?v=JHGkaShoyNs
 - mat_mcloughlin