**Document Status: Approved** 

**Approved by: Management Representative** 

**Released by** : Mentor Labs

# **Revision / Document History**

Ver.	Date	Changed by	Modifications
1.0	16-Aug-	Bakkesh S	Initial Development design.
	2023	Subedhar	

# **List of Abbreviations**

DFD Data Flow Diagram
E-R Entity Relationship
RS Requirement Specification
ATDS Admit Transfer Discharge

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REQUIREMENTS ACCEPTANCE STATEMENT

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# Introduction

### Purpose

This project aims to develop an cashless based service, which enables an automated system for patient admission, discharge and transfer process (Ward Transfer) whithin the HealthSure hospital.

### • Scope

The scope of the project is limited to patient admission, transfer (Ward transfer) and discharge. This process enables the patient to book an availabe ward for admission / transfer if required, and

### Definitions, Acronyms and Abbreviations

Not Applicable

### References

Not Applicable

### Coordinators

Bakkesh S Subedhar

# Software Requirements

### Operational Requirements

ATDS system is used to,

- i. Enables an patient who is ensured with an insurence (cashless procedure) to access the ATDS system.
- ii. After approval in the insurence elegiblity check the patient can book / transfer ward in the hospital.
- iii. The 'Hospital-admin' has the supriority over all the patient requests (approve/decline), also monitor over the availability of wards in the hospital, generate the discharge details and notify it to the refering patient. And at last the hospital admin also acts as an monitor over 'Insurance-admin' and the 'patient' regarding the insurance elegibility check.
- iv. The Insurance-admin has the responsibility to maintain (overview) the discharge details of the patient and also verify the insurance requests of patients sent over by Hospital-admin.

# • Functional Requirements

Admit Transfer Discharge System

Login

Request for access

Hospital Admin

View available Wards

Request Status

Insurance Admin

Patient Requests

Discharge Details

FIGURE 2.1 USE CASE DIAGRAM FOR ATDS

# Getting verified to access the ATDS:

Requirement Tag ID	RS-1-1				
Source/Trigger	Patient / Hospital Admin / Insurance Admin				
Description	Input	Insurance Number			
	Process	The patient needs to submit the insurance number in the portal to verify the elegibility to access the the ATDS. Once the request is made the hospital admin forwards the requests to the insurance admin where as the insurance admin approves or declines based on the document verification.			
	Output	The patient may or maynot get the access to the ATDS.			
Validation Method		•			

# Booking / Transfering Ward:

Requirement Tag ID	RS-1-2			
Source/Trigger	Patient / Hospii	Patient / Hospital Admin		
Description	Input	New Ward number		
	Process	The patient selects the ward number based on their liking and invokes an request. The Hospital admin accepts/rejects the patients request based on the ward availability.		

	Output	The patient gets assigned / transfer to an particular ward.
Validation Method		

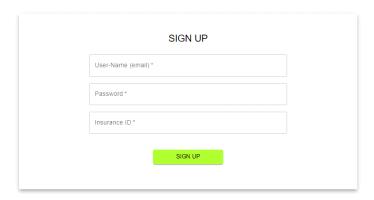
Discharging Patient:

Requirement Tag ID	RS-1-3					
Source/Trigger	Patient / Ho	Patient / Hospital Admin / Insurance Admin				
Description	Input	Patient ID				
	Process	Once the Hospital admin recieves info on patient discharge, he/she creates an discharge details and notifi both the patient and also the insurance admin (for monitoring over the discharge details).				
	Output	The Patient and Insurance admin gets notified				
Validation Method						

# **User Interface Requirements**



# **® HEALTH SURE**

































INSURANCE ADMIN

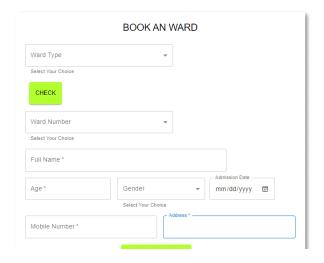




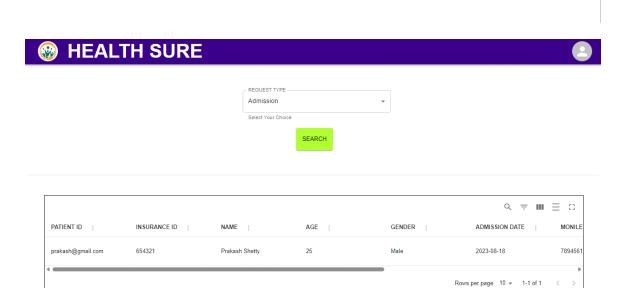


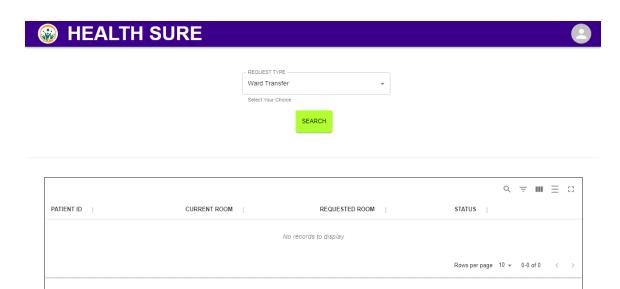
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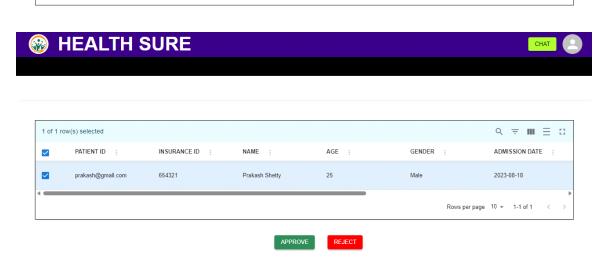




# REQUEST WARD TRANSFER Ward Type Select Your Choice CHECK Ward Number Select Your Choice REQUEST TRANSFER











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PATIENT ID :	CURRENT ROOM :	REQUESTED ROOM	STATUS :
	No records to	o display	
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			Nows per page 10 + 0-0 010
			nums per page 10 V 0-0 01 0 /

# 

 WARD NUMBER :
 WARD TYPE :

 101
 SINGLE SHARED

 102
 SINGLE SHARED

 103
 SINGLE SHARED

 201
 DOUBLE SHARED

 203
 DOUBLE SHARED

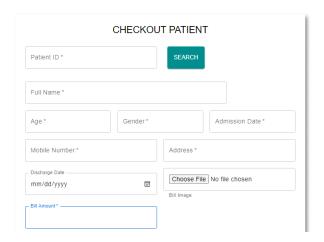
 301
 PREMIUM

 302
 PREMIUM







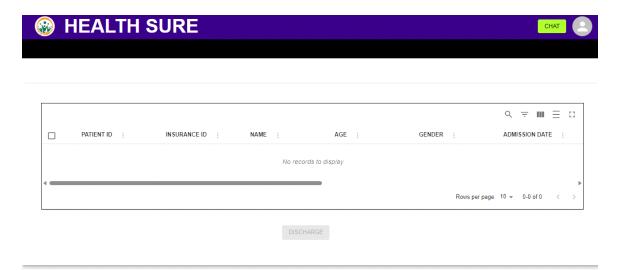


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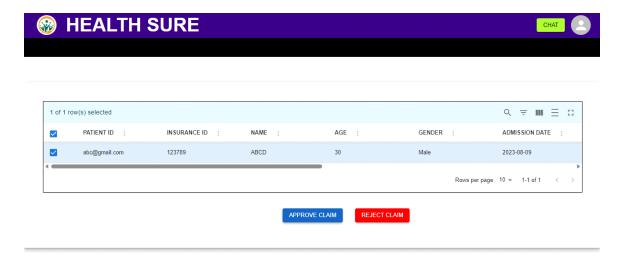


					Q = III	≣ ∷
PATIENT ID ;	INSURANCE ID :	NAME :	AGE :	GENDER :	ADMISSION DATE	MONILE NO
asd@gmail.com	456789	BAKKESH S SUBEDHAR	25	Male	2023-08-09	078920232
demo@gmail.com	102030	Demo	25	Male	2023-08-10	078920232
sujju217@gmail.com	123789	Srujan Bakkesh	25	Male	2023-08-10	994564421
4				1	Rows per page 10 ▼ 1-3 of 3	< >









# • External Interface Requirements NA

# • Project Execution Related Requirements

# • Development Environment

- Technologies to be used for development of the Application:
  - HTML5
  - CSS3
  - JavaScript
  - React
  - · Material UI

Software tools that can be used for development:

- Visual Studio Code
- React Library
- Axios

# • Design requirements

• Not applicable.

# • Coding requirements

Since the entire application is being coded in React, all the coding standards required by React are certainly applicable here.

### • Error handling requirements

NA

# Resource Requirements

- Technologies to be used for development of the Application:
  - HTML5
  - CSS3
  - JavaScript
  - React
  - · Material UI
  - SpringBoot
  - Microservice
  - MongoDB

### • Risk management

Not applicable.

# • Training Requirements

•

# • Testing Requirements

# Quality Assurance Activities

NA

# Software Acceptance Criteria

User acceptance test is the sole software acceptance criteria.

In order to fulfill this criteria, the system should be executed and tested. The errors found during system testing should be solved and corrected version of the software should be sent to Customer for final Acceptance Testing.

# Deliverables

### List of Deliverables

Not applicable

# • Delivery

Not Applicable

# • Requirements Acceptance Statement

Requirements Acceptance Statement consists of agreement to the above mentioned requirements by the Customer and Supplier.