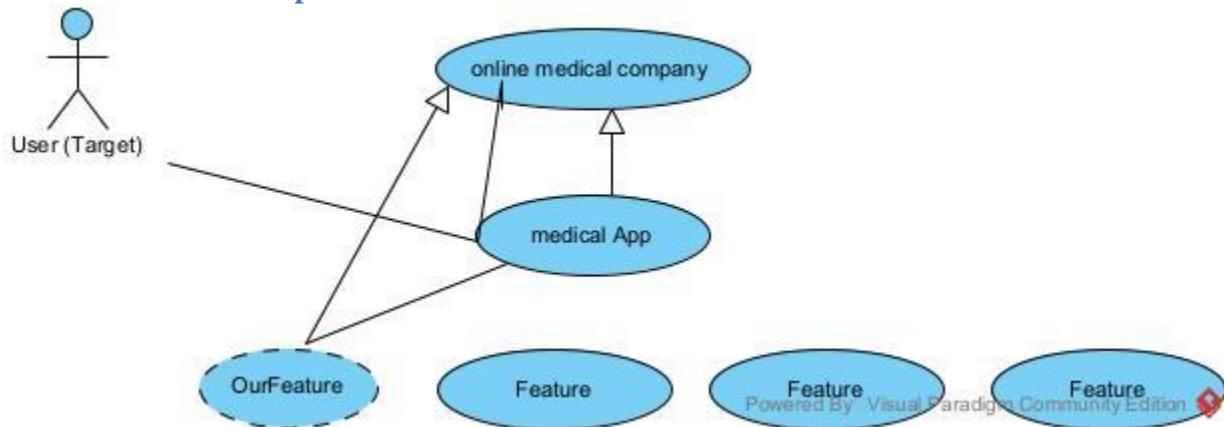


business case for one feature in medical app for online medical consultation.

Analysis Process tech is to find optimal feature and apply the elements of business case on it

(objective of the feature – options of execution – timescale – benefits of it – risks and costs and Investment appraisal)

As a UML Model to represent the association in this case : UC



Our Feature is :

Online Video Consultation depend on video conference technologies .

Created By :

Amir Mohamed

Just in Case !

OVC Feature For our Medical App Business Case

Executive summary

To Overcome the problem of COVID-19 pandemic, hospitals and clinics have been overrun and unable to accept in-person doctors visits, as shown in one of our reports that the primary care doctors **visits have declined by 60%** since the start of the pandemic, so the technology here will play a vital role to solve this problem in any medical center whatever its kind.

Reasons

Our Medical Company faces several problems that influence our business in the negative way :

- The care visits and on-site consultations have declined by more than 50% since the start of Covid-19
- The Crowded in the site that maybe happen in particular day help the virus to move from person to the another so it a very critical so we need a solution to avoid unnecessary or less priority visits.
- We need to develop and keep up with the technologies to be a apart of the global medical market and consultation groups association

Options

1. Do nothing and wait for the incoming wave of the communication to be in a high point and start our feature to implement But we will lose a big segment of clients and users in that time and also will miss a marketing strong point
2. link a Web browser or app depend on one of the providers (Zoom – Google Meeting – Microsoft Teams) but the user may need a training sessions on it and may the user experience will not meet with this techs yet
3. Create Our Own Feature that will be built in our Medical App to deliver this technology and take advantage of it to solve the previous problems in addition to make the medical process and consultation very easy in the other hand we can market our app and Services too.

Benefits:

This Feature will help to make the onsite consultation and communications with the patient very easy and back to before Covid-19 Days, so helping to overcome the whole problems and add value of marketing and Reliability and usability will be a Big Advantage .

avoid Crowded situation will be a great benefit too .

Help doctors to communicate with patents in any time and in a schedule or a particular time in 24/7 system, it's a Mega Benefit as well .

Timescales

Feature Statement : 1 Day .
Feature InDesign UI/UX Prototype: 3 Days
Feature Development : 1 Month
Feature Testing : 2 Days
Feature Demo :1 day
Releasing : 1 Day

Total estimated Time to Release OurFeature is 1M 1W and a day

Costs

Feature Costs : 50000 L.E
Operational Support Monthly 1000 L.E

Risks

Staff lack experience in specifying requirements on a software Video Feature.
This could lead to the wrong Software solution being delivered.

This is likely to reduce the benefits realized from the feature.

Investment appraisal

Is the net benefits.

Is this Feature will add Value? 100%, it will

Is this Feature will be zero Value? In this age of technologies and speed communications, we think it is impossible

SO, it's Deserve it be taken in consideration ..

SRS Statement For Ourfeature OVC Feature :

OVC Feature For our Medical App :

A video-conference-based method that allow to establish a VOIP communications between our patients and doctor or consultant so this feature is for a user that need to communicate with doctors but have some restrictions for coming to the geographical site

Operations : for the user

Login : user must login by his own account or create a new account if he have no one

Choose his case : user have to enter doctors page and Choose the doctor he need depend on his problem that he complain of .. write in the submit box the problem Then request an appointment and wait for the confirmation of the doctor

Pay fees : after the confirmation of doctor schedule confirmed, user have to receive the confirmation wizard in the message box and appear to him a box to payment to pay the fees by his visa card or and payment method After payment and before the appointment time he will receive a mail or SMS as a reminder to be ready for the session

Enter the link : that we as a super admin or automatically created by our system .. to open the session page that shown as a big box of video camera and the availability of voice communication clearly

Receive the state : after doctor session ending, user receive a message of a scheduling revisit invitation or if there is no invitation he receive a message wish for him good healthy and get well soon

Note: each point may have creep scenario (what if this is not happen ?!)

Operations : for our partner (Doctor- Consultant)

Login : Doctor must login by his own account or create a new account if he have no one

Run cases : doctor enter his appointment page and browse requests of new appointment or revisit appointments and confirm the new one

Confirm Appointment: after browse the list of appointments he have to confirm them depend on his schedule then the confirmation message will arrive to user messagebox

Enter the link : that we as a super admin or automatically created by our system .. to open the session page that shown as a big box of video camera and the availability of voice communication clearly

Write notice : in session talk, doctor write his note and medicine name and any kind of recommendations or advices in a panel shared with the user and send to the user in the session history page as a session note

Ending the session : after whole session process, doctor press button called “end” to exit the session and moved to the sessions history page of him

Revisit : if this case need another session he schedule it after ending the session by the pop-up message alarm that ask him if he would to schedule a revisit or not

Note: each point may have creep scenario (what if this is not happen ?!)

Operations : internal system

Review requests : check the policies and terms by the request before send to doctors

Generate session link : generate the link between doctor and user and send it to the message box

Reschedule the session : if the doctor confirm a revisit session then system will generate another link

Note: each point may have creep scenario (what if this is not happen ?!)

Conditions before operations :

- User must have an account and login
- User must complete his whole information and profile
- User must enter his payment details
- Doctor must have an account and login
- Doctor must complete his profile and receive our confirmation and verifications and working-certificate to be able to receive requests
- Doctor must enter his bank account details or any bank information required to the financial operations

Conditions after operations :

- User receive a session note in his session history page
- User receive a revisit invitation from doctor in his message box if doctor have to
- Doctor receive a session note in his session history page
- Doctor financial balance threshold changed by the added value
- financial balance added to the doctor account disaccounting from user payment method + our percentage

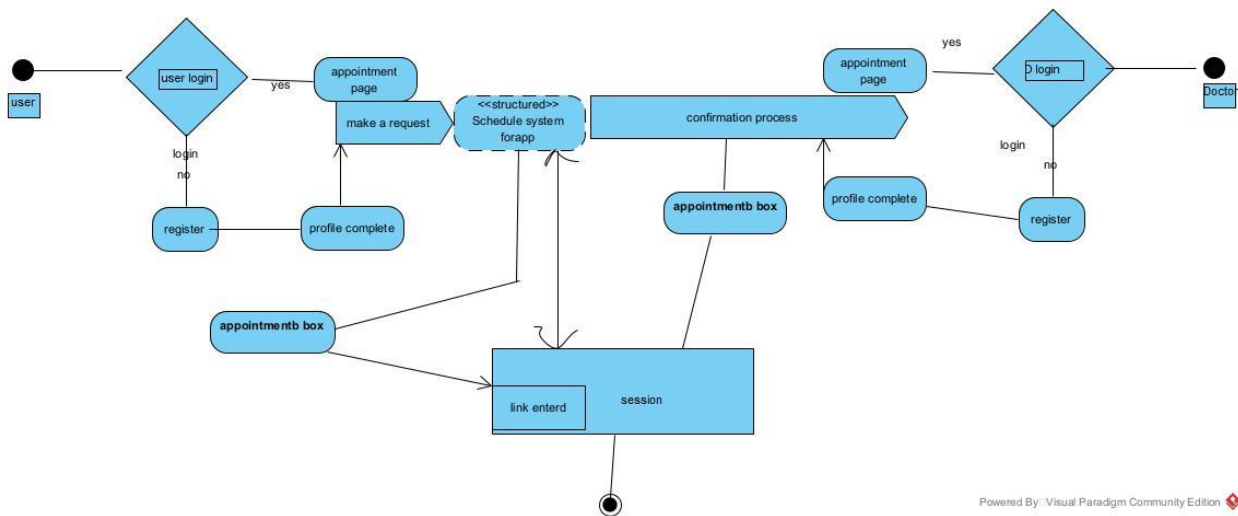
fields and policies required :

- id
- completed profile
 - name
 - e mail
 - position and title
 - photo
 - date of birth
 - field of doctor
 - gender
 - country and address
 - phone number
- payment gateway or data
- internet communication test (ookla or fast)
- super admin permission to doctor after review his papers

- submit problem box before send the request
- confirmation from doctor

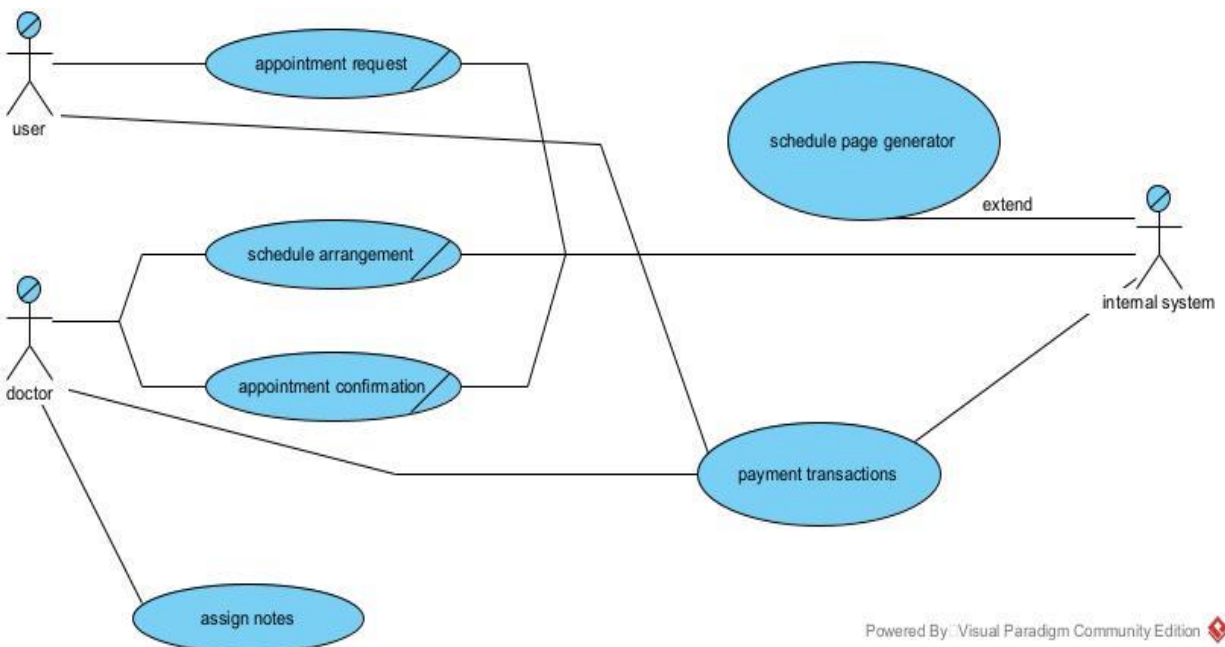
Diagrams:

Activity Diagram: (only one case)



Powered By: Visual Paradigm Community Edition

UC for operational relations :



Powered By: Visual Paradigm Community Edition

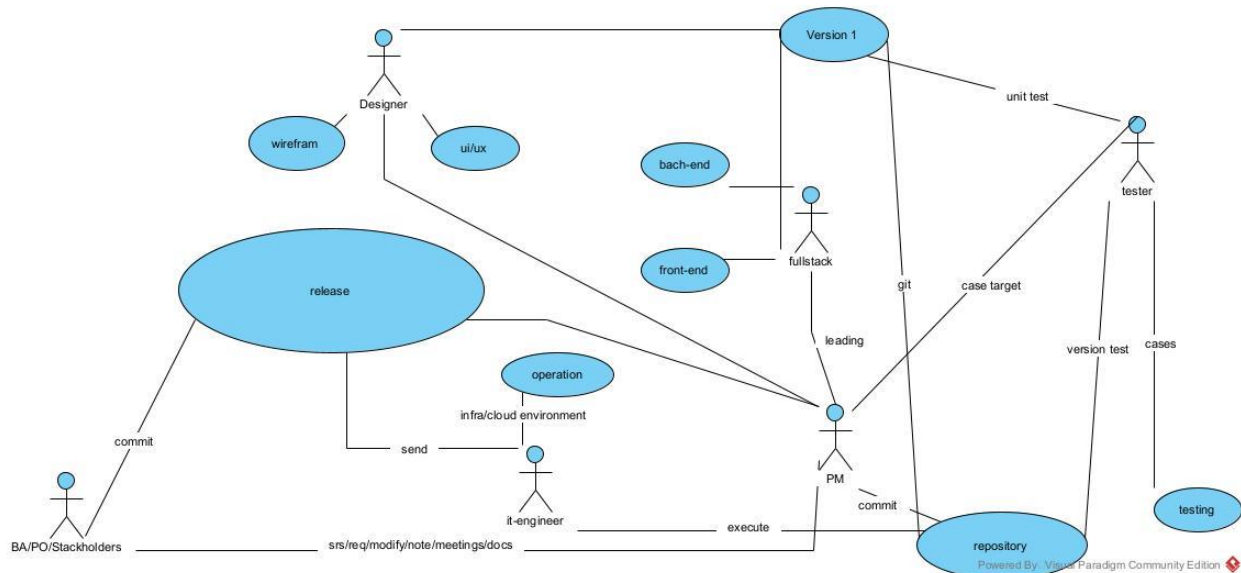
UserStory :

As a Client I want to book an appointment so that I can communicate with doctors online

Subtasks :

- communication over our feature option button
- develop internal schedule system design and ops
- ui/ux create layout and wireframes
- every operation diagram for the feature designed
- doctor appointment page development
- doctor / user messagebox appointments part
- payment gateway integration

SDLC Cycle Actor:



constrains criteria :

- should meet the ui/ux design layout
 - wireframe
 - Xd File
 - Instruction file
- should meet quality and testing points
 - unit test
 - version test
 - release test
- should accept the business policies in srs part
 - transaction clearly
 - schedule system usability
 - meet the internet connection
 - user experience criteria
- should pass from sql injection security test
 - code fulfillment
 - fast decisions operation
- should release in one demo version
 - isolated demo releasing
 - availability in Version control Software
 - continuous delivery rules

Acceptance criteria For given – when – then : (one case)

- Scenario : User forgot password
 - Given : user navigate to login page
 - When : user select “forget password”
 - And : enter a valid e-mail address to receive password recovery link
 - Then : system should send the link to the entered e mail
 - Given: user receives the link via e-mail
 - When: user navigates through the link from e mail inbox
 - Then : system enables the user to set new password