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# TEAM CHROMOSOME

## PROJECT REPORT

- 26 February 2017

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### **Group Members**

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## **INTRODUCTION**

For our project we are planning to work with the SRC president of University Of Namibia. We have introduced to him creating an online fingerprint based voting application to make gathering data and campaigning more efficient than in previous years. We will be able to access key stakeholders and leadership in the University through the SRC therefore we have chosen the SRC president to be our client.

## **Problem Analysis**

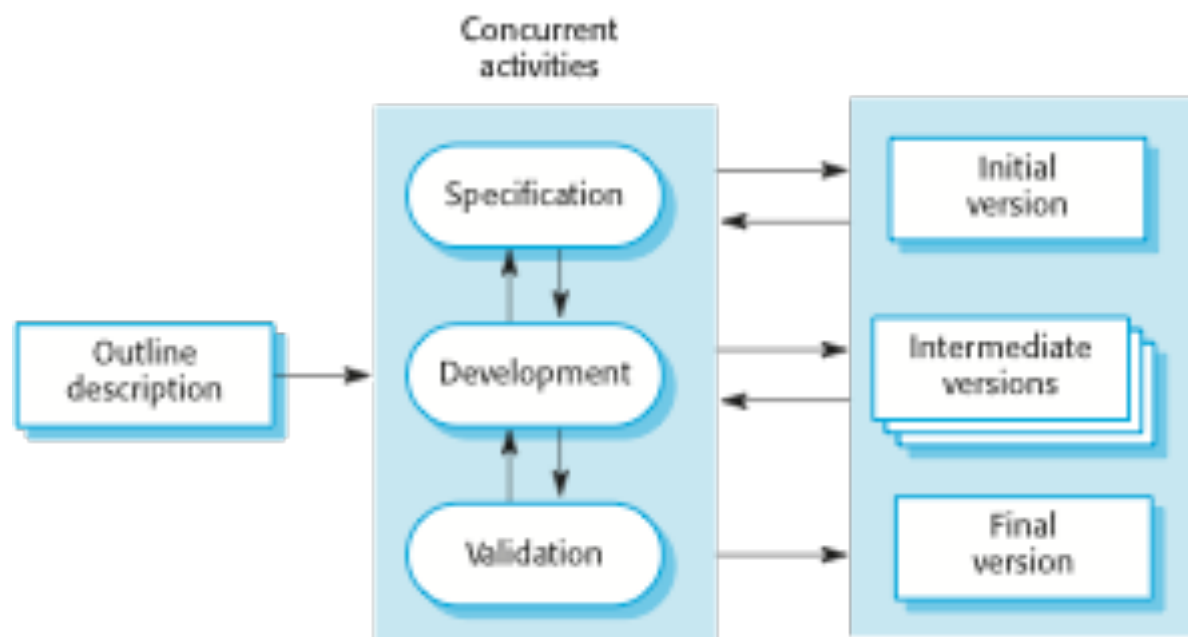
- Our client will help us identify problems associated with voting in the University. Student Representative Council is responsible for ensuring the general welfare of all students in the University. This takes the form of negotiations, and lobbying on behalf of students. During voting the SRC members campaign with posters or just by finding people at random and people or by seeking help from friends in the same faculty. Some people just vote without knowing any background information about the people contesting for the SRC leading to some people not even being bothered to vote.

## **Project Requirements**

- Team Chromosome is planning on creating an online fingerprint based voting application. This is an application where the user is recognized by his/her finger pattern. Since the finger pattern of each human being is different, the voter can be easily authenticated. The system allows the voter to vote through his fingerprint. Finger print is used to uniquely identify the user. This system only allows a voter to vote candidate only once. The system will only allow admin to add the candidate name and photo who are nominated for the election. Admin will register the voters name by verifying voter. Admin will authenticate the user by verifying the user's identity proof and then admin will register the voter. The number of

candidate added to the system by the admin will be automatically deleted after the completion of the election. Admin has to add the date when election going to end. Once the user has got the user id and password from admin the user can login and vote for the candidate who are nominated. The system will only allow the user to vote for only one candidate. The system will allow the user to vote for only one time for a particular election. Admin can add any number of candidates when the new election will be announced. Admin can view the election results by using the election id. Even users can view the election result.

**The process plan we have suggested to use is incremental development:**



### **Incremental development benefits**

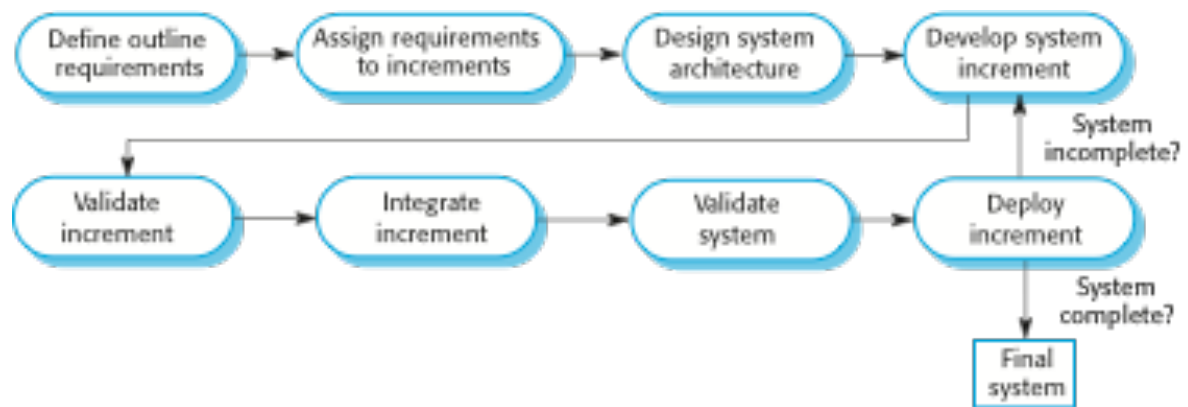
- ◇ The cost of accommodating changing customer requirements is reduced.
  - The amount of analysis and documentation that has to be redone is much less than is required with the waterfall model.
- ◇ It is easier to get customer feedback on the development work that has been done.
  - Customers can comment on demonstrations of the software and see how much has been implemented.
- ◇ More rapid delivery and deployment of useful software to the customer is possible.

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Customers are able to use and gain value from the software earlier than is possible with a waterfall process

**Our suggested delivery is incremental delivery:**

- ◇ Rather than deliver the system as a single delivery, the development and delivery is broken down into increments with each increment delivering part of the required functionality.
- ◇ User requirements are prioritised and the highest priority requirements are included in early increments.
- ◇ Once the development of an increment is started, the requirements are frozen though requirements for later increments can continue to evolve.
  
- ◇ **Incremental development**
  - ◇ Develop the system in increments and evaluate each increment before proceeding to the development of the next increment;
  - ◇ Normal approach used in agile methods;
  - ◇ Evaluation done by user/customer proxy.
  
- ◇ **Incremental delivery**
  - ◇ Deploy an increment for use by end-users;
  - ◇ More realistic evaluation about practical use of software;
  - ◇ Difficult to implement for replacement systems as increments have less functionality than the system being replaced.



### Communication Plan

We Plan To Focus on the following	Questions To Be Discussed
Communication objectives	What are you hoping to achieve with your project communications? Look at the objectives established for the project.
Target audiences (internal and external) and the makeup of each audience	Who do you want to communicate with? Refer to the roles established for the project. Consider a broad range of stakeholders.
Purpose of the communication for each audience	Why are you communicating with them? Think about what your audience would like to know from their perspective - "What's in it for me?"
Key communication messages and the content of the message	What do you want to say? The content should address the reason the audience will be in