# Role Description:
# Membership Management System (MMS): Assistant Developer

**Scouts South Africa uses Scouts.Digital as its Membership Management System.**

## Role Purpose

To support the owner of Scouts.Digital (SD), who is also the "Developer and Administrator" (currently Richard Shearer (RS) ) and the "Back up Developer and Administrator" (currently David Bosch), in developing new features in SD and, if required assist in the operational management (fixing bugs, coding small enhancements) of SD.  This is a volunteer role in SSA.

It is hoped that, on average, the assistant developer would be able to spend 10 to 15hrs (or more) a month, working on SD.

## Functions

1.     Understanding of Scouts.Digital:
    a.  Work with  the Developers and Administrators  to:
        i.    become familiar with the structure and detail of the coding in SD.
        ii.   understand the principles underlying the development and functioning of SD.
2.     Understanding of SSA and its requirements:
    a.  Ideally be involved in a Den, Pack, Troop or Crew, Group or District and have a good understanding of Adult Leadership and SSA's requirements for a Membership Management System (MMS).
    b.  Understand or be prepared to find out about the Organisational Rules of SSA, which provides the essential framework  within which SD works.
    c.  Liaise and work with the Owner of SD and SSA project manager for SD to understand SSA's ongoing requirements and priorities for the development of SD.
3.     Maintenance of SD:
    a.  As agreed with RS assist in developing new Features in SD:
        i.     Working in an offline mode to develop enhancements and new features in SD. then validate and test the new modules.
        ii.    When tested and agreed with RS assist with incorporating the new features into the live version of SD.

be prepared....

## Skills Required

1.  Well versed in the Agile approach to software development.
2.  Able to work with auto PDF Generation (TCPDF).
3.  Competent to programme in these languages:

    i.  Backend
        - PHP (latest version (7.4 or later)) - (SD is mostly procedural PHP with some OO components)
        - MySQL (5.6+)
    ii. Front end
        - Bootstrap 4.2
        - JavaScript
4.  Experience in extensively documenting and commenting  code as a matter of course.
5.  Complete understanding of the concepts of Production, Staging & Development environment.
6.  A goods understanding of web security concepts including encryption at rest.

## Work experience required

1.  At least 4 Years' experience as a High Level Developer (not just a coder)
2.  Significant work on experiences on High Availability, High Use projects
3.  Experience with working in team development environments with Trunk-based repository workflows.
4.  Approximately 3 000 to 5 000 development hours with experience in either booking systems or human management systems

## Accountability & Reporting Structure

Report to:               Richard Shearer and SSA Project manager for SD
Peers:                   Co Developers on SD
Manages:                 N/A
Supports:                SD Administrators

## Delegated Power

None

## Period of Appointment

3 Years and then as agreed

## Appointment Procedure

Process as described in Adult Support Policy for Coordinators in the National Team

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