REQUIREMENTS for MOE CELEBRATES SG50 REGISTRATION FORM

BROWSERS

- Need to make it work in IE8. Our Education Ministry is still on XP IE8.

SECURITY ISSUES

- Need to turn off Access all webform results to Anonymous and Authenticated Users. All results should only be accessible to Administrator. The user registering will probably not able to "Print the Registration Letter" on the confirmation page. Likely need to hook the access in the webform2pdf module to make it work.

REGISTRATION FORM

- NRIC No is being checked via php. Should be checked locally with Javascript. Alogorithm available at http://stackoverflow.com/questions/629664/how-to-validate-a-singaporean-fin
- Fields should be validated with local javascript first before hitting the server via php.
- The first page can be bypassed now and user can register without NRIC and Date of Birth being checked.

CONTACT INFORMATION

- When user select Singapore, postal code should be 6 digits, contact number should be 8 digits starting with 6,8 or 9.
- Email should be check as well … Re-enter Email = Email Address.
- Client side javascript should be implemented whenever possible

PREFERENCES

- When the admission timing (eg.9am to 11am) of Cloud Forest or Flower Dome is fully booked (moesg50_cloudforest, moesg50_flowerdome), the timing is not displayed at all. These options should be disabled instead.
- When all the timings (9am to 11am, 11am to 1pm, …. 3pm to 5pm etc) are all booked, the conservatory should be disabled, and the user can only select "I will visit the conservatories on another day".
- The final number of admission timings should not exceed 700. For testing, we set them at a limit of 2.

- Need to check Mobile Number (only local Singapore number ... 8 digits starting with 8 or 9).
- Client side javascript should be implemented whenever possible

REVIEW/EDIT

- When user confirm, there is a time lapse as the server is generating the pdf and email it out. Need to show a spinner or some kind of progress, other wise user will panic and click more.

CONFIRMATION

- As the form allow anonymous to submit, this page need to be more secure. Currently, Access all webform results is given to Anonymous and Authenticated User. The user can "Print My Registration Letter", but can easily print other submission via /node/15/submission/109/downloadpdf by simply replacing the sid.
- PDF need to have a higher resolution for the header. Currently very blur.
- Will need to be able to print barcode for the NRIC. Should be able to place barcode any where on the page. Client will feedback what they want in the pdf. We will need to print something different depending whether Morning or Afternoon is selected.
- User should not be able to go back to the previous page once they have submitted.

Other Issues

- There are issues implement Mimemail, SMTP, and Webform2pdf. We had to do patches and hack to get it working. We left out Mimemail on the LIVE site. Current developer had to do some patching and hacking to make things work. Either attached pdf or HTML email will work but not both.
- We are still waiting for feedback from the client in the next few days.

Administration

- I had to create the moesg50_admin module and get the statistics I need. The analysis from the webform is not accuate. Eg. If user select 2 tickets, then the admission timings should be counted as 2 instead of 1.
- Will probably need to allow admin to search for the submission based on NRIC or name, a link to generate the pdf ... usually for Support to use to answer queries. Would be good to be able to email the pdf directly to user requesting for it.
- Also need a way to fine tune the download of the webform submission.

Others

- Changes are likely to occur in the next few days when the client feedback to us.
- All error messages preferred to be in one file for ease of change.
- Suggestions are always welcome.
- Take note that we do expect high traffic for the registration.
- Security is vital as we have very sensitive user data.