

## Bloom LMS Added Notes

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### General

Please see the commented the Original document that was sent on 4 January 2019 PST for comments that will give additional clarification on some of the features and in the original document titled "Modern Flight"

In addition to the commented original document, below is a list of additional features that were not original document created a year ago, which we wish to incorporated in the final design the platform. Both the original commented document, the summary specification document sent to Urvesh on 1 January 2019 PST entitled, "Project Background, is to be using conjunction with the original document send and the list of nose below. All three documents are to be used in order to gain the fullest understanding of the project.

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### Fuel Management

Fuel data will come from pilots entering the fuel details each time the fly. the will enter how much fuel the started the flight with as well as how much fuel the end the flight with, along with where the takeoff form and where was the distinction. This will let the system know how to calculate how much fuel was used for the particular distance flown and to use that data in the fuel usage reports. With the electronic logbook for each pilots flight there will be the following:

- What is the fuel at start of flight.
- Was fuel added during the trip
- How much fuel was remaining after the flight was completed.
- If fuel was purchased was it purchased with company card of pilots personal card.
- What are the fuel difference at the company local supplier vs that with which was bought by the pilot elsewhere.

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## Electronic Pilot Logbook

With the student pilot, instructors and Pilots (none student pilots) side of the scheduling system, there will be an electronic log book that along with the information on fuel management above will list out the following items: - Taken Directly from the FAA Regulation of log book entry.

The FAA Regulations on Logbook entries. For the purposes of meeting the requirements of paragraph (a) of this section, each person must enter the following information for each flight or lesson logged:

(1) General -

(i) Date.

(ii) Total flight time or lesson time.

(iii) Location where the aircraft departed and arrived, or for lessons in a full flight simulator or flight training device, the location where the lesson occurred.

(iv) Type and identification of aircraft, full flight simulator, flight training device, or aviation training device, as appropriate.

(v) The name of a safety pilot, if required by § 91.109 of this chapter.

(2) Type of pilot experience or training -

(i) Solo.

(ii) Pilot in command.

(iii) Second in command.

(iv) Flight and ground training received from an authorized instructor.

(v) Training received in a full flight simulator, flight training device, or aviation training device from an authorized instructor.

(3) Conditions of flight -

(i) Day or night.

(ii) Actual instrument.

(iii) Simulated instrument conditions in flight, a full flight simulator, flight training device, or aviation training device.

(iv) Use of night vision goggles in an aircraft in flight, in a flight simulator, or in a flight training device.

Here is a sample of and electronic logbook would look like. <https://excelpilotlogbook.com/faa-america-pilot-logbook/>

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## Additional Reports

- Fuel Usage report - Allow access to report of the fuel usage per flight, per lesson, per student, per time (hours, days, months, years)
- Financial Report - Report will be in worded and graphical form and allows super admin access to reports like,
  - Revenues - Student intake, Courses sold, Aircraft rental, Outside Aircraft maintenance, sales on books and other study material. Equipment rental, Aircraft Supplies sales.
  - Cost - Aircraft maintenance internal, fuel usage, student accommodation, Instructor Pay (done on per out rate),
- AI Reporting - This report will use machine learning to analyse the data with the system on the bases of all the data in collect to include: all the the data and report the system generate. external factors such as market trends and industry and regulatory analysis. this AI will be supervise machine learning (ML) that will be give the type of data we wish it to analyse.