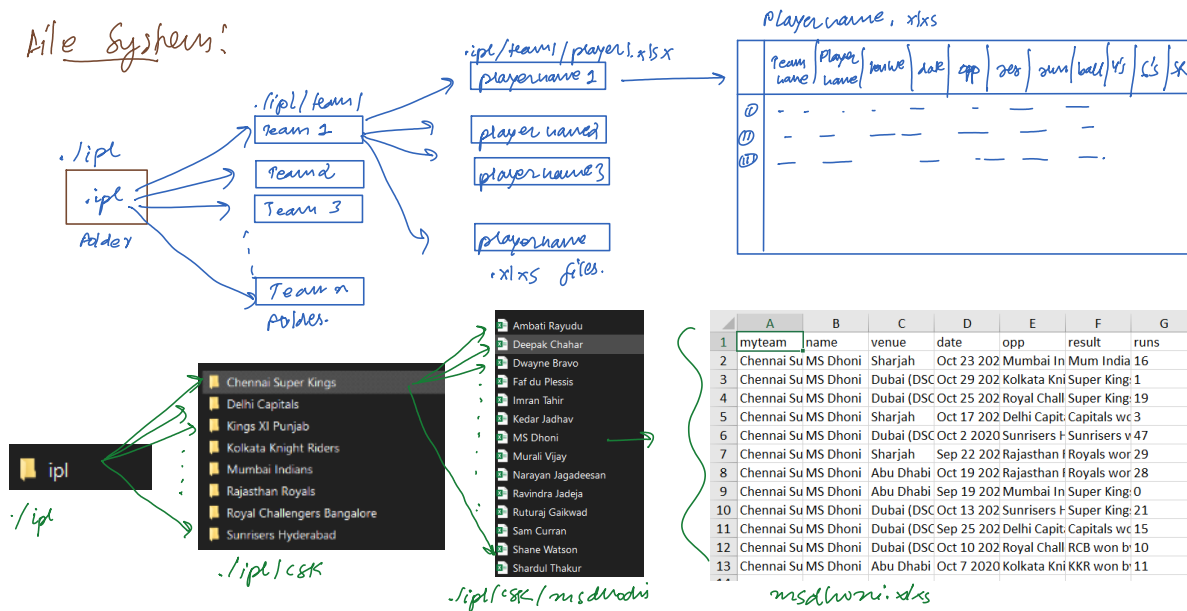


IPL webscrapping

Scrape all the player performances in IPL and store them in provided file system aa.

File System:



	A	B	C	D	E	F	G	H	I	J	K
1	myteam	name	venue	date	opp	result	runs	balls	four	six	sr
2	Chennai Su MS Dhoni	Sharjah	Oct 23 202	Mumbai In	Mum India	16	2	1	100.00		
3	Chennai Su MS Dhoni	Dubai (DSC	Oct 29 202	Kolkata Kni	Super King	1	4	0	0	25.00	
4	Chennai Su MS Dhoni	Dubai (DSC	Oct 25 202	Royal Chall	Super King	19	21	3	0	90.47	
5	Chennai Su MS Dhoni	Sharjah	Oct 17 202	Delhi Capit	Capitals wc	3	5	0	0	60.00	
6	Chennai Su MS Dhoni	Dubai (DSC	Oct 2 2020	Sunrisers H	Sunrisers v	47	36	4	1	130.55	
7	Chennai Su MS Dhoni	Sharjah	Sep 22 202	Rajasthan I	Royals wor	29	17	0	3	170.58	
8	Chennai Su MS Dhoni	Abu Dhabi	Oct 19 202	Rajasthan I	Royals wor	28	28	2	0	100.00	
9	Chennai Su MS Dhoni	Abu Dhabi	Sep 19 202	Mumbai In	Super King	0	2	0	0	0.00	
10	Chennai Su MS Dhoni	Dubai (DSC	Oct 13 202	Sunrisers H	Super King	21	13	2	1	161.53	
11	Chennai Su MS Dhoni	Dubai (DSC	Sep 25 202	Delhi Capit	Capitals wc	15	12	2	0	125.00	
12	Chennai Su MS Dhoni	Dubai (DSC	Oct 10 202	Royal Chall	RCB won b	10	6	0	1	166.66	
13	Chennai Su MS Dhoni	Abu Dhabi	Oct 7 2020	Kolkata Kni	KKR won b	11	12	1	0	91.66	

Code Design:

```
const getHomepage = async () => {
  const allMatchesPage = require('./allMatches');

  let filePath = path.join(__dirname, 'ipl');
  dirCreate(filePath);
  function dirCreate(filePath) {
    if (!fs.existsSync(filePath)) {
      fs.mkdirSync(filePath, { recursive: true });
    }
  }

  request(getHomepage, (error, response, html) => {
    if (error) {
      console.log(error);
    }
    function getIplResultPage(html) {
      // ...
    }
  });
}
```

main.js

→ create .ipl
→ get to ESPN
Homepage

```
const scoreCard = require('./scoreCard');

function getAllMatchesPage(iplResultPageLink) {
  request(iplResultPageLink, getIplResultPage, (error, response, html) => {
    if (error) {
      console.log(error);
    }
    function getMatchLinks(html) {
      // ...
    }
  });
}
```

allMatches.js

→ get IPL match page
→ get all match links
cf from score cards
→ call function for all
match links to
analyse performance

```
function getPlayerPerformance(html) {
  request(html, processScoreCard, (error, response, html) => {
    if (error) {
      console.log(error);
    }
    function getPlayerPerformance(html) {
      // ...
    }
  });
}

function makePlayerPerformance(html, name, venue, date, opp, result, runs, balls, four, six, sr) {
  let playerFilePath = path.join(__dirname, 'ipl', name);
  let playerLink = path.join(playerFilePath, name + '.xlsx');
  let content = readFileSync(playerLink, 'utf-8');
  let xlsx = {
    myteam, name, venue, date, opp, result, runs, balls, four, six, sr
  };
  content.push(xlsx);
  writeFileSync(playerLink, content, 'utf-8');
}

function dirCreate(filePath) {
  // ...
}

function readIpl(filePath, sheetName) {
  // ...
}

function writeIpl(filePath, sheetName, sheetData) {
  // ...
}
```

ScoreCard.js

→ goto match page.
→ get players complete data
(myteam, name, venue, date
opp, result, runs, balls, 4's, 6's, SR).
→ append in xlsx file folder.